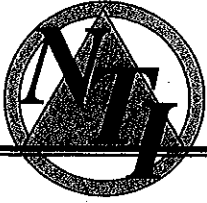




**REPORT OF PHASE I
ENVIRONMENTAL ASSESSMENT**

PID 60-443-0010
Becker, Minnesota
NTI Project No. 11.50565.301



NORTHERN TECHNOLOGIES, INC.

6588 141st Avenue NW, Ramsey, MN 55303 763-433-9175 763-323-4739 Fax

May 25, 2011

City of Becker
PO Box 250
Becker, Minnesota 55308

Attn: Mr. Nick Ziegelmann
Community Development Coordinator

Subject: REPORT OF PHASE I ENVIRONMENTAL ASSESSMENT
PID 60-443-0010
NTI Project No.11.50565.301

Northern Technologies, Inc. (NTI) is pleased to provide this report of the Environmental Site Assessment (ESA) conducted for the City of Becker, Minnesota. We are transmitting one paper and one digital copy of the report. This report and Phase I Assessment is for PID 60-443-0010. For the purposes of this report, this location is referred to as the "Target Site".

An on-site property examination was conducted on April 19, 2011. The property was examined to observe and identify potentially contaminated areas. Details of the examination are presented in this report. Based on the review of collected data, surface or storage conditions were not found to suggest contaminant levels might exist which may be *Recognized Environmental Conditions* at the Target Site property.

NTI would like to thank you for the opportunity to provide our services. If you have any questions or concerns regarding the information presented in this report or if we can be of additional service, please contact our office at (763) 433-9175.

NORTHERN TECHNOLOGIES, INC

Anthony Francis, P.E.
Project Engineer

Stephen Johnston, P.E.
Regional Manager/Principal Engineer



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PID 60-443-0010
Becker, Minnesota
NTI Project No. 11.50565.301

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PHASE I ENVIRONMENTAL ASSESSMENT

PID 60-443-0010, Becker, Minnesota

NTI Project No. 11.50565.301

1.0 SUMMARY

Northern Technologies, Inc. (NTI) is pleased to provide this report of the Environmental Site Assessment (ESA) conducted for the property legally described as Outlot A, Energy Park 4th Addition, Sherburne County, Minnesota. The work was performed in accordance with our proposal dated February 28, 2011, that was approved by Mr. Nick Ziegelmann. For the purposes of this report, this location is referred to as the "Target Site". This ESA and report has been prepared on behalf of and for the exclusive use The City of Becker (Client) solely for their use and reliance in the environmental assessment of this site.

An on-site property examination was conducted on April 19, 2011. The property was examined to identify and observe areas of potential contamination. Details of the examination are presented in this report. NTI's assessment did not include radon, lead-paint, lead in drinking water, the presence of wetlands, an evaluation of building conditions, or a determination of whether the facility is in compliance with environmental or health and safety rules and regulations.

2.0 INTRODUCTION

2.1 Purpose

The purpose of this Environmental Site Assessment (ESA) is to provide an opinion and recommendations for existing *Recognized Environmental Conditions* at the Target Site. The opinions and recommendations presented at the end of this ESA report are subject to modification if further information discovered by NTI or others suggest such a need.

2.2 Detailed Scope-of-Work

NTI was contacted by Mr. Nick Ziegelmann, who requested that we perform an ESA of the real estate described in Section 3.2. Our work is being performed in accordance with the scope of services outlined in our proposal dated February 28, 2011.



The services included in this Phase I Assessment were:

- A review of the readily available topographic, geological, and hydrogeological information relating to the Target Site and the surrounding area;
- A review of readily available historical aerial photographs, topographic maps, city directories, and Sanborn Fire Insurance maps relating to the Target Site and surrounding area;
- A limited review of the federal, state, and local regulatory information for potential environmental hazards on and within up to a mile radius of the Target Site;
- Interviews with the current property owner or representative about the current and past uses of the Target Site and adjacent properties;
- Visual characterization and observation of the Target Site to determine the presence of potential environmental hazards; and
- Preparation and submittal of a written report for each facility summarizing the findings of the Phase I Environmental Site Assessment.

2.3 Significant Assumptions

NTI assumes that the client does not expect a *No Action Letter* from the Minnesota Pollution Control Agency. The MPCA may provide a No Action Letter provided a Phase II Environmental Assessment has been conducted and that no contamination was found as a result of that work. However, the letter will only state that based on the information submitted to the MPCA, an environmental investigation or cleanup will not be required at this time. The letter will not release any party from future liability they may have for contamination.

2.4 Limitations and Exceptions

NTI has taken what it believes is the applicable standard of care for the services performed, and in doing so, is obliged to advise the Client of the ESA limitations. NTI believes that providing information about limitations is essential to help clients identify and thereby manage risks. These risks can be mitigated but not eliminated through additional research. NTI will, upon request, advise the Client of the additional research opportunities available and associated costs.



This ESA did not include any inquiry with respect to radon, methane, ACM, lead-based paint, lead in drinking water, formaldehyde, endangered species, wetlands, subsurface investigation activities, Brownfield's programs, or other services or potential conditions or features not specifically identified and discussed herein. In those instances where additional services or service enhancements are included in the report as requested or authorized by the client, specific limitations attendant to those services are presented in the text of the report.

The findings and opinions conveyed via this ESA report is based upon information obtained on a particular date, from a variety of sources enumerated herein, and which NTI believes are reliable. Nonetheless, NTI cannot and does not warrant the authenticity or reliability of the information sources it has relied upon.

This ESA report is not a comprehensive site representation or regulatory compliance audit and should not be considered as such. The opinions presented in this report are based on findings from a site reconnaissance, a review of specified records and sources, and comments made by interviewees. Specifically, NTI does not and cannot represent that the site contains no hazardous or toxic materials, product, or other latent conditions beyond what was observed by NTI during its site assessment. Further, the services herein shall in no way be considered to be relied upon as legal interpretation.

2.5 Special Terms and Conditions

At the time of this reporting there are no special terms or conditions requested or provided other than those presented in Section 2.2.

2.6 Reliance

This report presents NTI's service to the Client at the time of the report date. That is to say that the report is only accurate for that time period. Opinions expressed in the report on environmental conditions are based on the most recent information available on regulatory data and site reconnaissance.

The Client is the only party to which NTI has explained the risks involved and which has been involved in the shaping of the scope of services needed to satisfactorily manage those risks, if any, from the Client's point of view. Accordingly, reliance on this report by any other party may involve assumptions whose extent and nature lead to a distorted meaning and impact of the findings and opinions related to this report. No party except the Client may rely upon NTI's findings and opinions related in this report.



3.0 SITE DESCRIPTION

3.1 User Provided Information

Mr. Ziegelmann provided us with the location and access information for the Target Site. Other than that, all information was obtained or purchased by NTI for the work performed.

3.2 Locations and Legal Description

The legal description of the Target Site is as follows: Outlot A, Energy Park 4th Addition, Sherburne County, Minnesota.

3.3 Site and Vicinity Characteristics

The Target Site is vacant agricultural land. The topography is relatively level. The surrounding area is a mixture of vacant land and developed office and warehouse buildings.

3.4 Description of Structure

There is no structure on the Target Site.

3.5 Current Uses of the Property

The Target Site is presently used for crop land.

3.6 Current Uses of Adjoining Properties

The adjoining properties at the time of the site visit include vacant undeveloped property to the south and east, and industrial uses to the west and north.

The term "adjoining properties", as defined by the ASTM standard, means *properties which border or are contiguous or partially contiguous with the site or would be so but for a street, road or other public thoroughfare separating them.*

3.7 Historical Use Information on the Property

ASTM E 1527-05 requires all obvious uses of the property shall be identified from the present, back to the property's obvious first developed use, or back to 1940, whichever is earlier. This task requires reviewing only as many of the standard historical sources as are necessary, and that are reasonably ascertainable and likely to be useful. NTI ordered the following EDR Historical reports: Aerial Photograph Decade Package and Sanborn Maps.



3.7.1 Aerial Photographs

Aerial Photographs of the site and near vicinity were obtained and reviewed by NTI for information, determination and/or verification of historical property use. The photographs are contained in Appendix B and based on our review we deduce the site was used as described for the associated year:

1938: Site appears to be agricultural land. A farmstead exists northwest of the Target site. Highway 10 and the railroad tracks exist in their present location.

1940: Same as 1938.

1953: Same as 1940, although a number of fence lines have been removed and Highway 10 has been expanded.

1963: Same as 1953

1977: Same as 1963.

1991: Same as 1977.

1997: Same as 1991, although streets for industrial site to the north have been constructed.

2006: same as 1997, although buildings have been constructed in industrial park to north and west of Target Site.

3.7.2 Sanborn Maps

A Certified Sanborn Map Report (Fire Insurance Maps) was ordered as part of the EDR package. The Target Site is unmapped.

3.7.3 Chain of Title

A chain of title was not supplied for this vacant property.

3.7.4 Additional Environmental Record Sources

No additional Environmental Record Sources were reviewed other than those listed in this report.

3.7.5 Historical Use Information on Adjoining Properties

By reviewing the standard historical sources referenced above it appears that the target site has only been used as agricultural land



4.0 RECORDS REVIEW

4.1 Federal Record Sources

A. Federal National Priority List (NPL)

The National Priority List (NPL) is a list compiled by the EPA, pursuant to the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA), of sites of known releases, or threatened releases, of hazardous substances, pollutants or contaminants. A NPL site is one that has the highest priority for cleanup as determined by the EPA's Hazard Ranking System. There are no NPL sites within one mile of the target site property according to the EDR data, dated 12/31/2010.

B. CORRACTS List

CORRACTS is a list of handlers with RCRA Corrective Action Activity. These reports show, which nationally defined corrective action core events, have occurred for every handler that has had a corrective action activity. A review of the CORRACTS list, as provided by EDR, dated 06/02/2010, has revealed that there are no CORRACTS sites within approximately one mile of the target site.

C. CERCLIS

The Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) are a list of sites compiled by the EPA that are currently being investigated for the possible inclusion onto the NPL list. The available list of CERCLIS sites as provided by EDR was dated 11/30/2010. There are no CERCLIS sites within the search radius of the target site.

D. RCRATSD Facilities List

This is a list of facilities on which treatment, storage or disposal of hazardous waste takes place, as defined by the Resource Recovery and Conservation Act (RCRA). The available information provided by EDR was dated 02/17/2010. There are no sites listed within a one half-mile radius of the target site property.

E. RCRA Generators List

This is a list of persons or entities that generate hazardous waste as defined and regulated by RCRA. The available list of RCRA- Large Quantity Generators (LQG), Small Quantity Generators (SQG), and Conditionally Exempt Small Quantity Generators (CESQG), sites was received updated on 02/17/2010 by EDR. The Target Site is not listed as a RCRA Generator and there are no RCRA Generator sites mapped within 1/4 miles of the site.



F. RCRA Non-Generator List

The RCRA Non-Generators database is a list of RCRA facilities that currently do not generate hazardous waste. The available information provided by EDR was dated 02/17/2010. There are no RCRA Non-Generators within ¼ mile of the target property.

G. Emergency Response Notification System (ERNS)

This is a list of reported spills or releases of hazardous substances in quantities greater than the reportable quantity as defined by CERCLA. This list is maintained by the National Response Center. The reporting system is known as the Emergency Response Notification System (ERNS). The most current ERNS list was updated on 12/31/2010. At this time there have been no listed emergency calls on the subject property.

H. SARA Title III Report

The EPA maintains information under the Superfund Amendment and Reauthorization Act (SARA) of 1986. Title III establishes requirements for federal, state, and local governments and industries regarding emergency planning and "community right-to-know" reporting on hazardous and toxic chemicals that they possess. The most current SARA Title III list (HMIRS) Hazardous Materials Incident Report System, was dated 01/03/2011. There are not HMIRS sites listed within the search radius.

I. SRS: Site Remediation Section Database

The SRS is a database that contains site information for sites monitored for remediation by the PCA. This information was last updated on 12/10/2010. The target site is not listed as an SRS site and there are no SRS sites within a ½ mile radius of the target property:

4.2 State and Local Environmental Records

A. Spills

There are no reported spills within 1 mile of the Target Site.

B. State Hazardous Waste Site List (State CERCLIS-Equivalent List (SCL))

The USA Department of Environment maintains a State CERCLIS-equivalent list (SCL) of sites under investigation that could be actually or potentially contaminated and presenting a possible threat to human health and the environment. The Target Site is not listed as a State CERCLIS facility. There are no State CERCLIS sites listed within a one mile radius of the Target Site, as of 01/03/2011.



C. Minnesota Permanent List of Priorities (PLP)

The PCA (Pollution Control Agency) PLP list identifies hazardous waste sites where investigation and cleanup are needed, cleanup is underway, or cleanup has been completed and long-term monitoring or maintenance continues. The Target Site is not listed as a PLP site. No PLP sites are listed within a one mile radius of the Target Site as of 06/30/2010.

D. Registered Solid Waste Facilities Listings (SWLF)

Solid Waste Facilities/Landfill Sites are listed and maintained by MPCA. These sites may be active or inactive facilities or open dumps that failed to meet RCRA criteria for solid waste landfills or disposal sites. The Target Site is not listed as SWLF facility. No SWLF facilities are listed within one-half mile of the Target Property as of 02/01/2011.

E. Leaking Underground Storage Tank (LUST) Listings

The MPCA maintains records which contain inventory of reported leaking underground storage tank (LUST) incidents. The target site is not listed as a LUST. There are no LUST sites identified within a one-half mile radius of the Target Site as of 03/18/2011.

F. Leaking Aboveground Storage Tank (LAST) Listings

The MPCA maintains records which contain inventory of reported leaking aboveground storage tank (LAST) incidents. The most recent update of the LAST list was 03/18/2011. The Target Site is not a LAST site. There are no LAST sites identified within a one-half mile radius of the Target Site.

G. Underground Storage Tank (UST) Listings

The MPCA maintains a list of underground storage tanks (UST) which are regulated under Subtitle I of the RCRA and must be registered with the state. The most recent update of the UST list was 03/18/2011. The Target Site is not listed as a UST facility and there are no other registered UST identified within one-half mile radius of the Target Site.

H. Above-ground Storage Tank (AST) Listings

The MPCA maintains records which contain inventory of registered above ground storage tanks (AST). The most recent update of the AST list was 03/18/2011. The Target Site is not an AST facility and there are no AST facilities identified within a one-quarter mile radius of the Target Site.



I. Manufactures Gas Plants

The EDR Proprietary Manufactures Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. The target site is not a Manufactured Gas Plant. There are no Manufactured Gas Plants within 1 mile of the target site:

J. Minnesota Pollution Control Agency Voluntary Investigation and Cleanup Program List (MN VIC)

The MPCA maintains a list of sites that have entered the MN VIC program. Sites in the MNVIC program have had Phase II ESA's performed and test results show contamination over detectable limits. The Target Site is not listed as a MN VIC facility. As of 01/03/2011 there are no MN VIC sites listed within a one-half mile radius of the target site.

K. State and Tribal Brownfield Sites

The Brownfield program was created by the MPCA to help people address obstacles related to purchasing, selling, or developing property that is contaminated with chemicals. The Brownfield program provides technical assistance and liability assurance needed to expedite and facilitate the development, transfer, investigation and/or cleanup of property that is contaminated with petroleum. There are no Brownfield sites within ½ mile of the target site, as of 09/30/2010.

L. What's in My Neighborhood (WIMN)

The WIMN database provides information about air quality, hazardous waste, remediation, solid waste, tanks and leaks, and water quality around Minnesota. The Target Site is not listed, but as of 01/17/2011 five (5) sites within approximately 0.5 miles of the Target Site. Inclusion in the WIMN database does not constitute a known environmental condition. The five (5) sites are all small to minimal generators of hazardous waste with no reported violations.

4.3 Environmental Liens

As a result of reviewing the available records excluding the abstract of title mentioned above, NTI has not identified any evidence of an environmental lien on the Target Site. An "environmental lien" is described in the ASTM standard as "a charge, security, encumbrance upon title to a property to secure the payment of a cost, damage, debt, obligation, or duty arising out of response actions, cleanup, or other remediation of hazardous substances or petroleum product upon a property."



4.4 Physical Setting Source(s)

The Target Site terrain slopes to the south southeast. According to the EDR Physical Setting Findings, the general direction of the surface waters drain to the south southeast. The Aquiflow Information System identified one source that reported the groundwater flow in this area. It is assumed that groundwater generally flows to the south southwest towards the Mississippi River.

Based on the Soil Conservation Service STATSGO data found in the EDR report, the surface and surficial soil texture is sand having a saturated hydraulic conductivity of 42 to 141 micro m/sec.

According to the State Data Base Well Information there are numerous wells in the area the nearest of which is less than 1/4 mile from the Target Site. Data for all wells are included in the digital copy.

5.0 **SITE RECONNAISSANCE**

5.1 Methodology and Limiting Conditions

The objective of the site reconnaissance is to obtain information indicating the likelihood of identifying ASTM *Recognized Environmental Conditions* in conjunction with the site, to the extent not obstructed by bodies of water, adjacent buildings, or other obstacles.

5.2 General Site Setting

A representative of NTI visually observed the Target Site and adjoining properties on April 19, 2011. The purpose of the reconnaissance was to note visual or olfactory evidence of *Recognized Environmental Conditions*.

The Target Site is located south of Liberty Lane, west of Highway 10 and east of 140th Avenue South. It is vacant land.

NTI did not observed materials that were an immediate threat to life, health, or what appeared may be a Recognized Environmental Condition on the site.

5.3 Exterior Observations

The site is vacant land. There are no structures.

5.4 Interior Observations

The site is vacant land. There are no structures.



6.0 INTERVIEWS

6.1 Interview with Owner

The current property owner is the City of Becker. Community Development Coordinator Nicholas Liegeman completed a written questionnaire which is attached.

6.2 Interview with Site Manager

The site is managed by the current property owners.

6.3 Interviews with Local Government Officials

The City of Becker owns the property. Refer to their written questionnaire.

7.0 FINDINGS

NTI observed nothing at the target site that would be considered a recognized environmental condition.

The EDR Report containing government records revealed no sources of potential recognized environmental conditions for the Target Site within the search radius therefore, no recognized environmental condition exists at the site.

8.0 OPINION

No other evidence was obtained to during out site visit or interviews that would indicate the target property could have any contamination in the form of petroleum or hazardous materials. It is therefore, NTI's opinion that based on the afore-mentioned interview, data research, site reconnaissance, and information supplied to us from the Client, we are confident that the Target Site has **no** *recognized environmental conditions* at the time of our visit.

9.0 CONCLUSION(S)

We have performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Practice E 1527-05 of the Target Site identified by PID 60-443-0010, Sherburne County, Minnesota. This assessment has revealed no evidence of *recognized environmental conditions* in connection with the property.



10.0 RECOMMENDATIONS

NTI recommends **no** additional environmental site assessment need be performed at this time at the Target Site.

11.0 DEVIATIONS

Other than where indicated, NTI feels that it has fulfilled its intent to adequately and thoroughly perform each item outlined in the detailed "scope of services" without deviation.

12.0 ADDITIONAL SERVICES

NTI was not authorized to perform additional services other than those included in the specific detailed Scope of Services, Section 2.2, of this ESA report.

13.0 ENVIRONMENTAL PROFESSIONAL STATEMENT

We declare that, to the best of our professional knowledge and belief, we meet the definition of Environmental professional as defined in Section 312.10 of 40 CFR 312 and we have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject property. We have developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in CFR Part 312.

14.0 SIGNATURES OF ENVIRONMENTAL PROFESSIONALS

Northern Technologies Inc.



Anthony Francis, P.E.
Project Engineer



Stephen Johnston, P.E.
Regional Manager/Principal Engineer



Appendix A

Becker Industrial Park
Becker, Minnesota
NTI Project No. 11.50565.301



View East from Target Site



View West from Target Site

Becker Industrial Park
Becker, Minnesota
NTI Project No. 11.50565.301



View of Target Site from East



View of Target Site from South

Appendix B

Becker Industrial Park

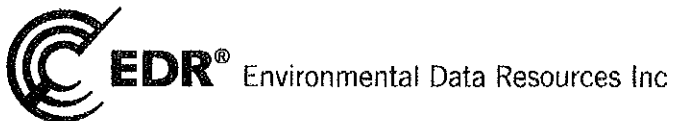
Shurburne Ave/Liberty Ln SE

Becker, MN 55308

Inquiry Number: 3044552.4

April 21, 2011

The EDR Aerial Photo Decade Package



440 Wheelers Farms Road
Milford, CT 06461
800.352.0050
www.edrnet.com

EDR Aerial Photo Decade Package

Environmental Data Resources, Inc. (EDR) Aerial Photo Decade Package is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's professional researchers provide digitally reproduced historical aerial photographs, and when available, provide one photo per decade.

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Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. **NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OF DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT.** Purchaser accepts this Report AS IS. Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

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EDR and its logos (including Sanborn and Sanborn Map) are trademarks of Environmental Data Resources, Inc. or its affiliates. All other trademarks used herein are the property of their respective owners.

Date EDR Searched Historical Sources:

Aerial Photography April 21, 2011

Target Property:

Shurburne Ave/Liberty Ln SE

Becker, MN 55308

<u>Year</u>	<u>Scale</u>	<u>Details</u>	<u>Source</u>
1938	Aerial Photograph. Scale: 1"=500'	Flight Year: 1938 Best Copy Available from original source	ASCS
1940	Aerial Photograph. Scale: 1"=500'	Flight Year: 1940	ASCS
1953	Aerial Photograph. Scale: 1"=500'	Flight Year: 1953	ASCS
1963	Aerial Photograph. Scale: 1"=500'	Flight Year: 1963	ASCS
1977	Aerial Photograph. Scale: 1"=500'	Flight Year: 1977	USGS
1991	Aerial Photograph. Scale: 1"=500'	Flight Year: 1991	NAPP
1997	Aerial Photograph. Scale: 1"=500'	Flight Year: 1997	NAPP
2005	Aerial Photograph. Scale: 1"=604'	Flight Year: 2005	EDR
2006	Aerial Photograph. Scale: 1"=604'	Flight Year: 2006	EDR



88

INQUIRY #: 3044552.4

YEAR: 1938

— = 500'



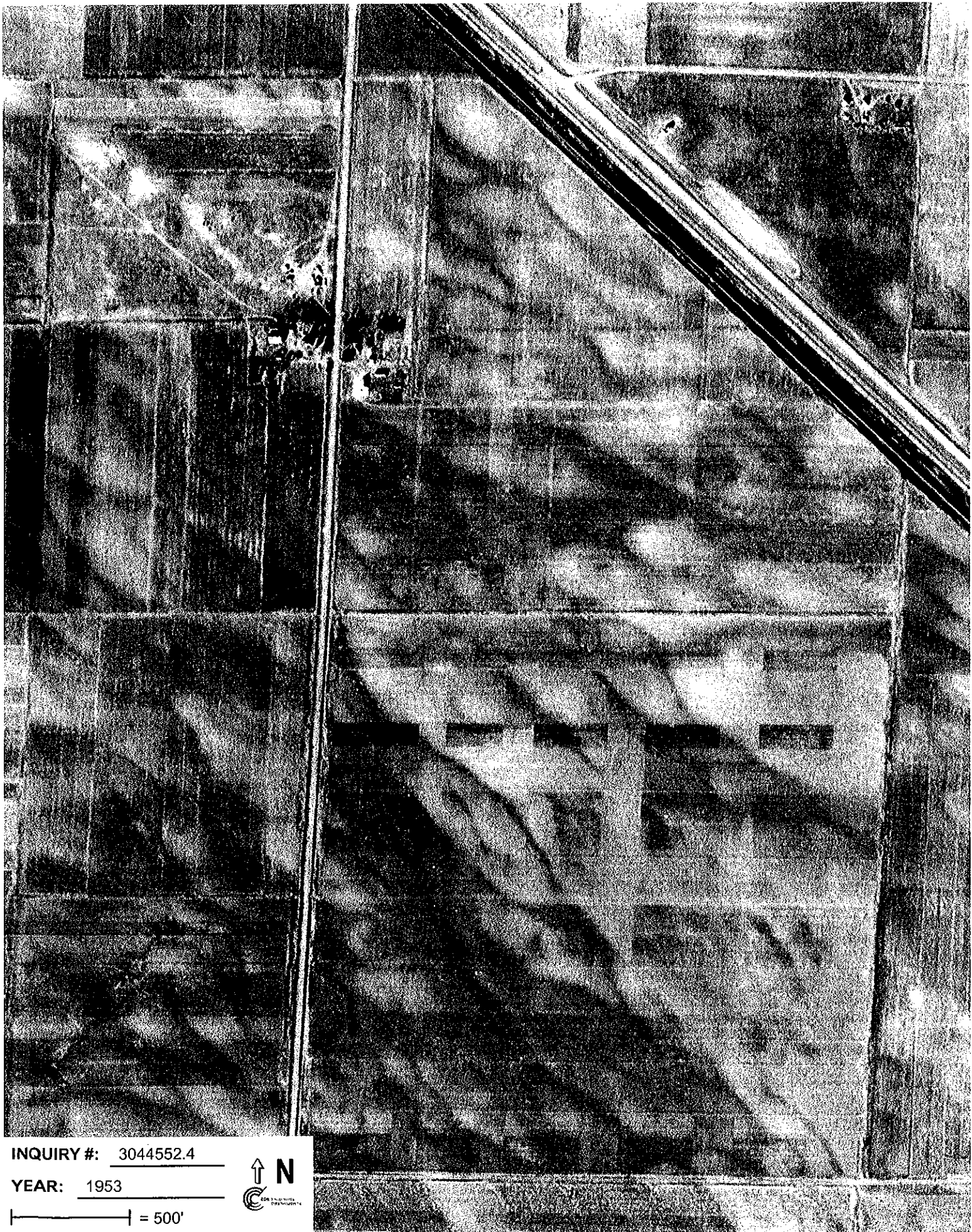


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YEAR: 1940

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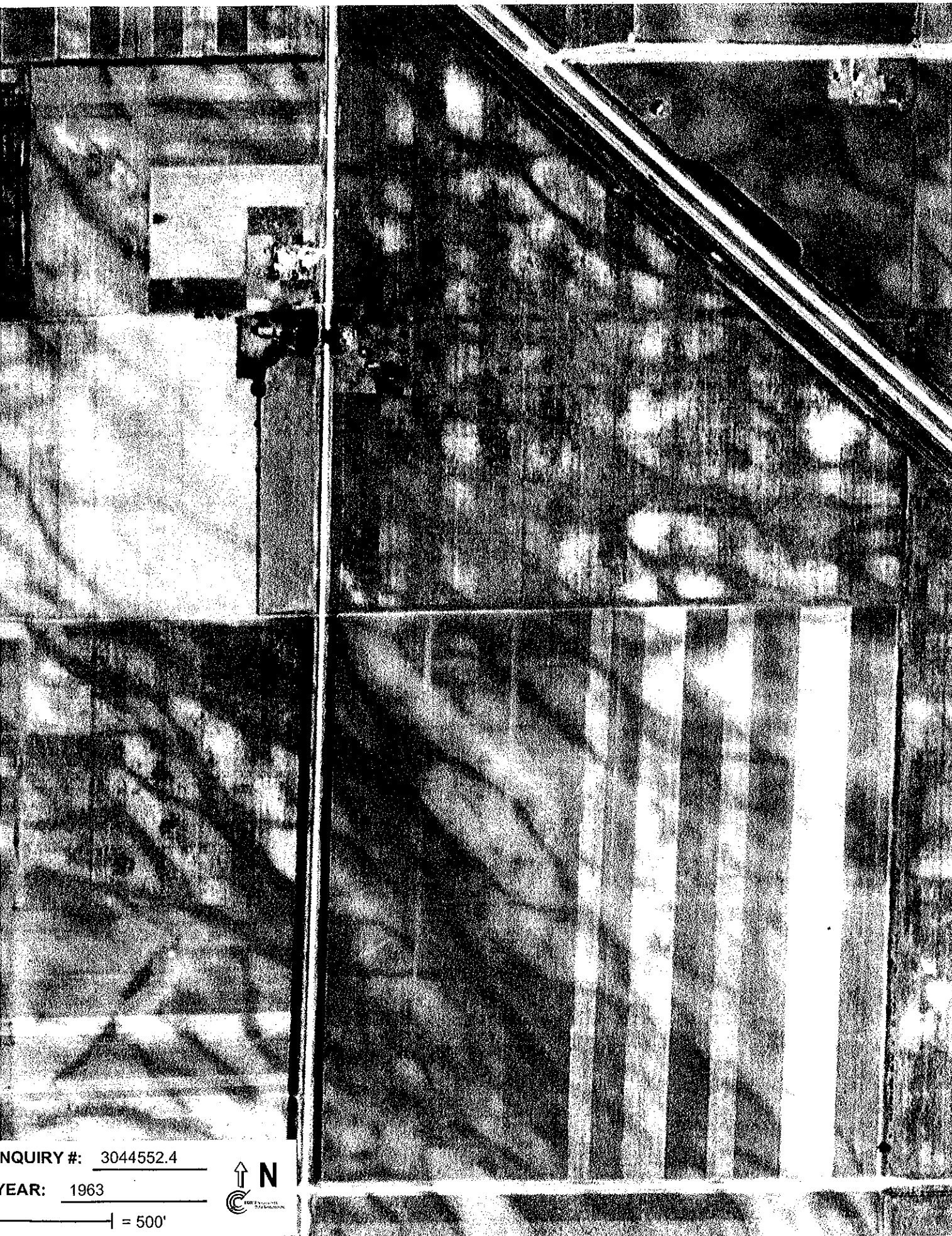


INQUIRY #: 3044552.4

YEAR: 1953

| = 500'





INQUIRY #: 3044552.4

YEAR: 1963

1 = 500'





INQUIRY #: 3044552.4

YEAR: 1977

| = 500'



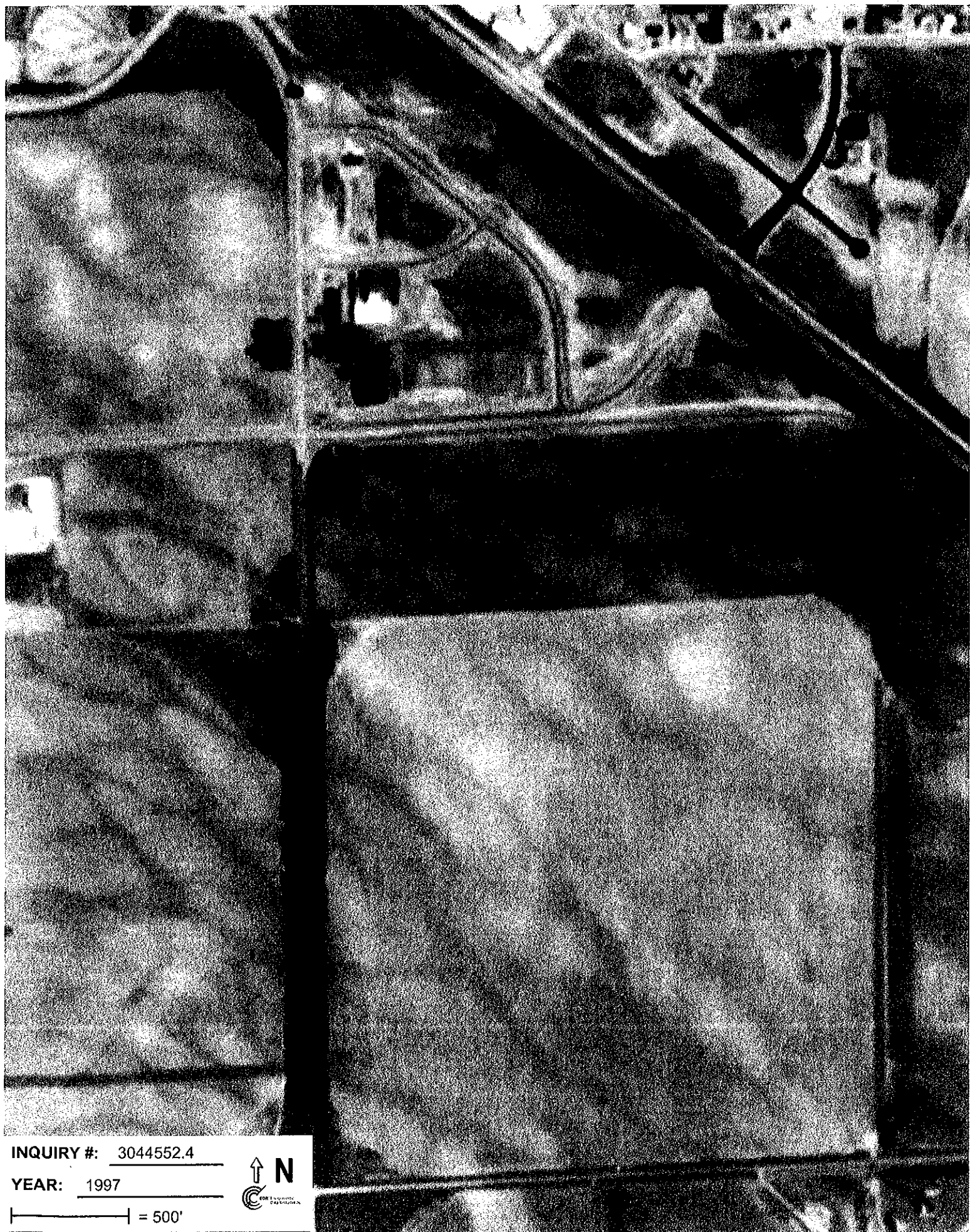


INQUIRY #: 3044552.4

YEAR: 1991

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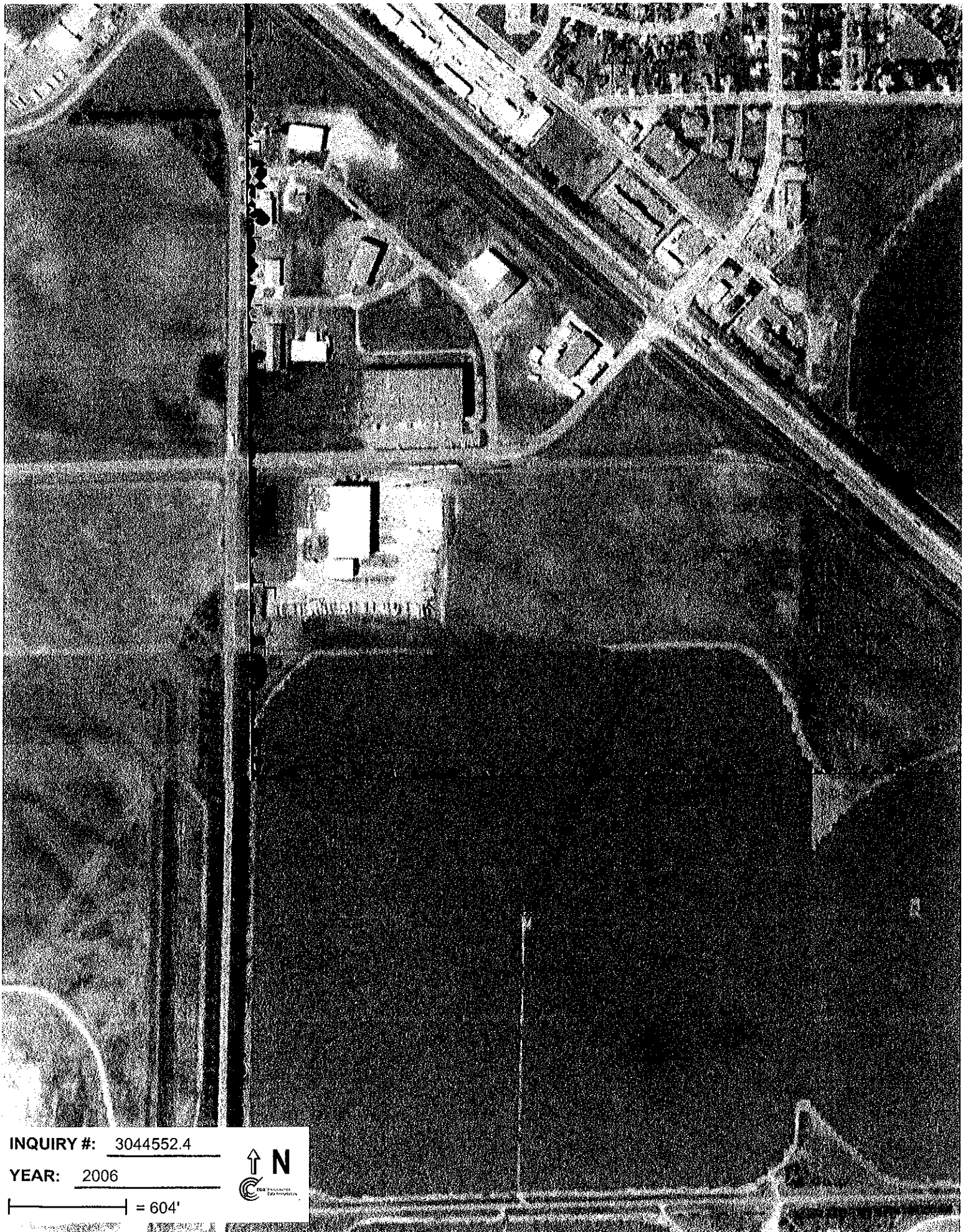


INQUIRY #: 3044552.4

YEAR: 1997

— = 500'





INQUIRY #: 3044552.4

YEAR: 2006

| = 604'



Becker Industrial Park

Shurburne Ave/Liberty Ln SE

Becker, MN 55308

Inquiry Number: 3044552.3

April 18, 2011

Certified Sanborn® Map Report

Certified Sanborn® Map Report

4/18/11

Site Name:

Becker Industrial Park
Shurburne Ave/Liberty Ln SE
Becker, MN 55308

Client Name:

Northern Technologies
6588 141st Avenue NW
Ramsey, MN 55303



Environmental Data Resources Inc

EDR Inquiry # 3044552.3

Contact: Tony Francis

The complete Sanborn Library collection has been searched by EDR, and fire insurance maps covering the target property location provided by Northern Technologies were identified for the years listed below. The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by Sanborn Library LLC, the copyright holder for the collection.

Certified Sanborn Results:

Site Name: Becker Industrial Park
Address: Shurburne Ave/Liberty Ln SE
City, State, Zip: Becker, MN 55308
Cross Street:
P.O. # 3467
Project: Becker Industrial Park
Certification # F362-4D35-B88F



Sanborn® Library search results
Certification # F362-4D35-B88F

UNMAPPED PROPERTY

This report certifies that the complete holdings of the Sanborn Library, LLC collection have been searched based on client supplied target property information, and fire insurance maps covering the target property were not found.

The Sanborn Library includes more than 1.2 million Sanborn fire insurance maps, which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

- ☒ Library of Congress
- ☒ University Publications of America
- ☒ EDR Private Collection

The Sanborn Library LLC Since 1866™

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Appendix C

PHASE I ESA INTERVIEW QUESTIONS

Objective: To obtain information indicating any recognized environmental conditions in connection with the property.

Content: Interviews with owners consist of questions to be asked of the key site manager. Key site manager is a person with good knowledge of the uses and physical site characteristics of the property.

1. What is your legal name and are you the land owner or what is your position with the company that owns the property (if applicable)
Nicholas Alan Ziegelmann, Community Development Coordinator for the City of Becker.
2. From whom did you purchase the property from and what year?
The City of Becker purchased the property from KGK Partners LLC in 2009.
3. Do you have any contact information (phone #) for the previous owner?
Jeff Gongoll – his email address is jag.ent@charter.net
4. How long have you owned the land or the company you work for owned the land? *The City of Becker has owned the land since November of 2009.*
5. What has the site been used for since you have owned the property?
Farmland

6. What knowledge if any do you have of the past use(s) of the property (before you owned it)? *To my knowledge it has always been used as farmland.*
7. Any knowledge of fill dirt brought onto the site and if so, where was the source of the fill? *I am not aware of any fill being brought onto the site.*
8. Has this property or adjoining property(s) ever been used as a gas station, repair facility, printing, dry cleaners, photo developing, junkyard, landfill or for water treatment, storage, disposal, processing or recycling facility. *Not to my knowledge.*
9. Are there any damaged or discarded automotive batteries, industrial batteries, pesticides, paints or other chemicals in containers larger than 5 gallons? Have there been any of these items stored or used at the property in the past? *Not to my knowledge.*
10. Is there now or previously been any sacks of chemical or industrial drums on the site? *Not to my knowledge.*

11. Is the facility connected to city services and which ones? Does the facility have or has the property had a well and septic and drainfield system? If a well is present has there been any water testing conducted? *The property is currently not connected to city services. We will be extending City services to the property this summer. There is no well or septic on the property.*
12. Have there been any chemical spills on the property or notice any stained soil on the property, now or in the past? *Not to my knowledge.*
13. Are there any registered or unregistered Underground Storage Tanks (UST's) or Above Ground Storage Tanks (AST's) on the property, now or previously? *Not to my knowledge.*
14. Any vent pipes protruding from the ground on the property? *Not to my knowledge*
15. Any knowledge of an environmental lien(s) on the property? *No.*

16. At any time have you been informed or aware of past or present existence of hazardous substances or petroleum products on property or in the facility? *No.*

17. Has owner been informed of any past or present existence of environmental violations with respect to the property or any facility on the property? *No.*

18. Any knowledge of a previous Environmental Site Assessment (ESA) of the property? *The City conducted a Phase I on parcel 60-443-0010. I am unaware of a previous ESA on parcel 60-006-4001*

19. Any knowledge of past, threatened or pending lawsuits concerning a release of hazardous substances or petroleum products involving the property or facility on the property? *No*

20. Does the property discharge waste water on or adjacent to property other than storm water into sanitary sewer? *No*

21. Have you observed evidence of or have any knowledge of any hazardous substances, petroleum products, unidentified waste materials, tires, automotive or industrial batteries or any other waste materials been dumped or stored above grade, buried and/or burned on the property? *No*

22. Is there a transformer, capacitor or any hydraulic equipment for which there are any records indicating the presence of PCB's? *Not to my knowledge.*

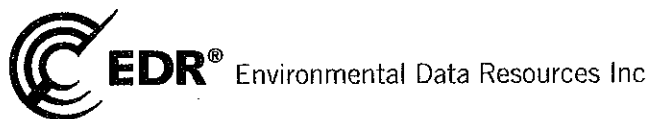
Appendix D

Becker Industrial Park

Shurburne Ave/Liberty Ln SE
Becker, MN 55308

Inquiry Number: 3044552.2s
April 18, 2011

The EDR Radius Map™ Report with GeoCheck®



440 Wheelers Farms Road
Milford, CT 06461
Toll Free: 800.352.0050
www.edrnet.com

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Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-05) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

SHURBURNE AVE/LIBERTY LN SE
BECKER, MN 55308

COORDINATES

Latitude (North): 45.379900 - 45° 22' 47.6"
Longitude (West): 93.866000 - 93° 51' 57.6"
Universal Transverse Mercator: Zone 15
UTM X (Meters): 432196.5
UTM Y (Meters): 5025301.0
Elevation: 967 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	45093-D7 BECKER, MN
Most Recent Revision:	1991
South Map:	45093-C7 MONTICELLO, MN
Most Recent Revision:	1995
Southwest Map:	45093-C8 SILVER CREEK, MN
Most Recent Revision:	1995
West Map:	45093-D8 CLEAR LAKE, MN
Most Recent Revision:	1995

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from:	2005, 2006, 2008
Source:	USDA

TARGET PROPERTY SEARCH RESULTS

The target property was not listed in any of the databases searched by EDR.

EXECUTIVE SUMMARY

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL..... National Priority List
Proposed NPL..... Proposed National Priority List Sites
NPL LIENS..... Federal Superfund Liens

Federal Delisted NPL site list

Delisted NPL..... National Priority List Deletions

Federal CERCLIS list

CERCLIS..... Comprehensive Environmental Response, Compensation, and Liability Information System
FEDERAL FACILITY..... Federal Facility Site Information listing

Federal CERCLIS NFRAP site List

CERC-NFRAP..... CERCLIS No Further Remedial Action Planned

Federal RCRA CORRACTS facilities list

CORRACTS..... Corrective Action Report

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF..... RCRA - Treatment, Storage and Disposal

Federal RCRA generators list

RCRA-LQG..... RCRA - Large Quantity Generators
RCRA-SQG..... RCRA - Small Quantity Generators
RCRA-CESQG..... RCRA - Conditionally Exempt Small Quantity Generator

Federal Institutional controls / engineering controls registries

US ENG CONTROLS..... Engineering Controls Sites List
US INST CONTROL..... Sites with Institutional Controls

Federal ERNS list

ERNS..... Emergency Response Notification System

State- and tribal - equivalent NPL

MN PLP..... Permanent List of Priorities

EXECUTIVE SUMMARY

State- and tribal - equivalent CERCLIS

SHWS..... Superfund Site Information Listing

State and tribal landfill and/or solid waste disposal site lists

SWF/LF..... Permitted Solid Waste Disposal Facilities
LCP..... Closed Landfills Priority List
UNPERM LF..... Unpermitted Facilities

State and tribal leaking storage tank lists

LUST..... Leak Sites
LAST..... Leaking Aboveground Storage Tanks
INDIAN LUST..... Leaking Underground Storage Tanks on Indian Land

State and tribal registered storage tank lists

UST..... Underground Storage Tank Database
AST..... Aboveground Storage Tanks
INDIAN UST..... Underground Storage Tanks on Indian Land
FEMA UST..... Underground Storage Tank Listing

State and tribal institutional control / engineering control registries

INST CONTROL..... Site Remediation Section Database

State and tribal voluntary cleanup sites

VIC..... Voluntary Investigation and Cleanup Program
INDIAN VCP..... Voluntary Cleanup Priority Listing

State and tribal Brownfields sites

BROWNFIELDS..... Petroleum Brownfields Program Sites

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS..... A Listing of Brownfields Sites

Local Lists of Landfill / Solid Waste Disposal Sites

ODI..... Open Dump Inventory
DEBRIS REGION 9..... Torres Martinez Reservation Illegal Dump Site Locations
SWRCY..... Recycling Facilities
INDIAN ODI..... Report on the Status of Open Dumps on Indian Lands

Local Lists of Hazardous waste / Contaminated Sites

US CDL..... Clandestine Drug Labs
SRS..... Site Remediation Section Database

EXECUTIVE SUMMARY

MN DEL PLP..... Delisted Permanent List of Priorities
 CDL..... Clandestine Drug Labs
 US HIST CDL..... National Clandestine Laboratory Register

Local Land Records

LIENS 2..... CERCLA Lien Information
 LUCIS..... Land Use Control Information System
 LIENS..... Environmental Liens

Records of Emergency Release Reports

HMIRS..... Hazardous Materials Information Reporting System
 SPILLS..... Spills Database
 AGSPILLS..... Department of Agriculture Spills

Other Ascertainable Records

RCRA-NonGen..... RCRA - Non Generators
 DOT OPS..... Incident and Accident Data
 DOD..... Department of Defense Sites
 FUDS..... Formerly Used Defense Sites
 CONSENT..... Superfund (CERCLA) Consent Decrees
 ROD..... Records Of Decision
 UMTRA..... Uranium Mill Tailings Sites
 MINES..... Mines Master Index File
 TRIS..... Toxic Chemical Release Inventory System
 TSCA..... Toxic Substances Control Act
 FTTS..... FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
 HIST FTTS..... FIFRA/TSCA Tracking System Administrative Case Listing
 SSTS..... Section 7 Tracking Systems
 ICIS..... Integrated Compliance Information System
 PADS..... PCB Activity Database System
 MLTS..... Material Licensing Tracking System
 RADINFO..... Radiation Information Database
 FINDS..... Facility Index System/Facility Registry System
 RAATS..... RCRA Administrative Action Tracking System
 MN LS..... List of Sites
 BULK..... Bulk Facilities Database
 MANIFEST..... Hazardous Waste Manifest Data
 DRYCLEANERS..... Registered Drycleaning Facilities
 ENF..... Generators Associated with Enforcement Logs
 MN HWS Permit..... Active TSD Facilities
 AIRS..... Permit Contact List
 TIER 2..... Tier 2 Facility Listing
 INDIAN RESERV..... Indian Reservations
 SCRDRYCLEANERS..... State Coalition for Remediation of Drycleaners Listing
 PCB TRANSFORMER..... PCB Transformer Registration Database
 COAL ASH EPA..... Coal Combustion Residues Surface Impoundments List
 COAL ASH DOE..... Steam-Electric Plant Operation Data
 MDA LIS..... Licensing Information System Database Listing
 FINANCIAL ASSURANCE..... Financial Assurance Information Listing
 AGVIC..... Agricultural Voluntary Investigation & Cleanup Listing
 COAL ASH..... Coal Ash Disposal Site Listing

EXECUTIVE SUMMARY

EDR PROPRIETARY RECORDS

EDR Proprietary Records

Manufactured Gas Plants..... EDR Proprietary Manufactured Gas Plants

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.

Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

ADDITIONAL ENVIRONMENTAL RECORDS

Other Ascertainable Records

WIMN: Since 2003, the PCAa??s "Whata??s in My Neighborhood?" database provides information about air quality, hazardous waste, remediation, solid waste, tanks and leaks, and water quality around Minnesota.

A review of the WIMN list, as provided by EDR, and dated 01/17/2011 has revealed that there are 5 WIMN sites within approximately 0.5 miles of the target property.

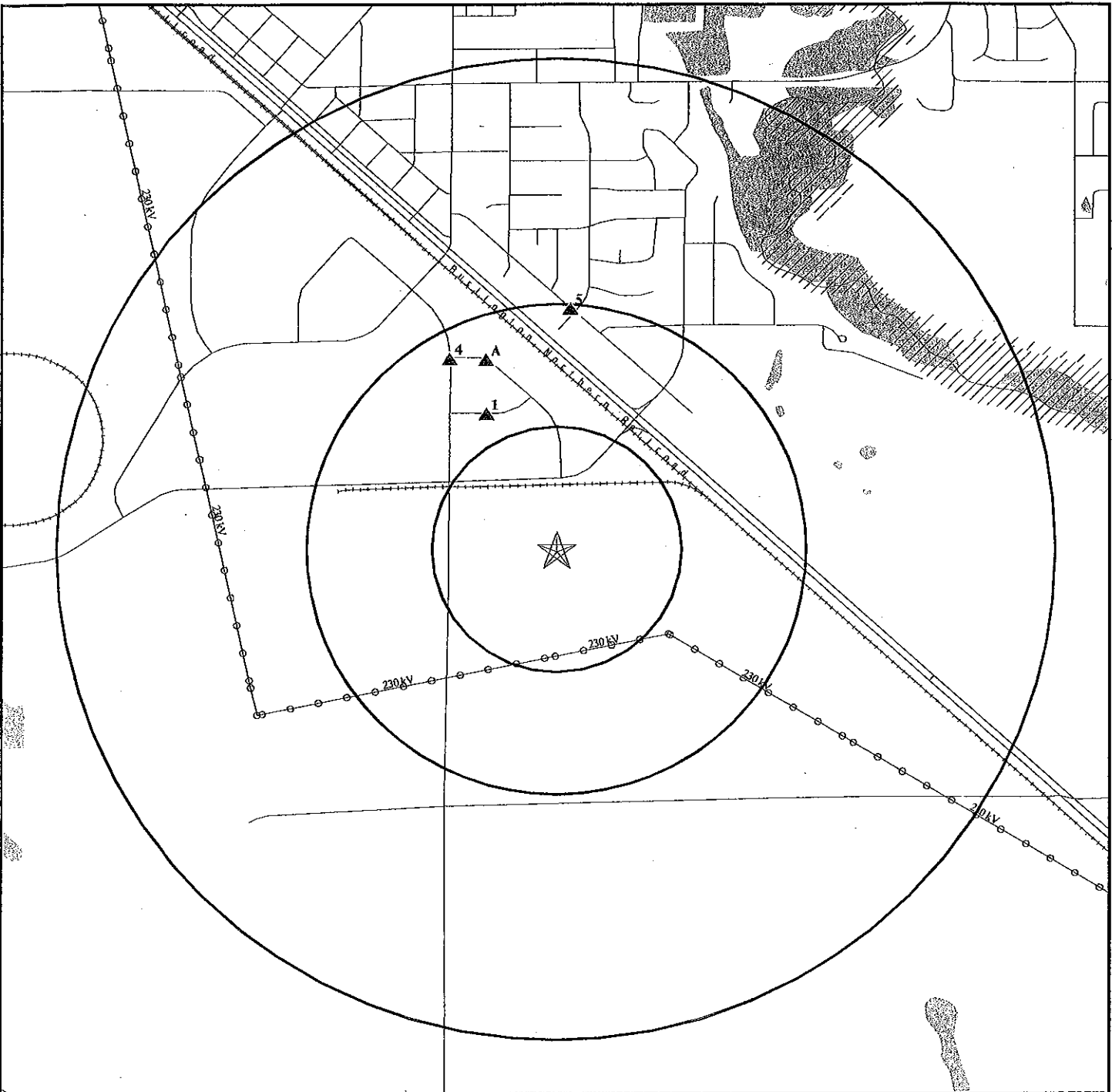
<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<i>PARADIGME ENGINEERING INC</i>	<i>14085 COMMERCE DR</i>	<i>NNW 1/4 - 1/2 (0.310 mi.)</i>	<i>1</i>	<i>7</i>
PASSIVE COMPONENTS	14095 PROSPERITY AVE	NNW 1/4 - 1/2 (0.397 mi.)	A2	8
1ST CUT PRODUCTS INC	14075 PROSPERITY AVE	NNW 1/4 - 1/2 (0.411 mi.)	A3	8
<i>TJ POTTER TRUCKING INC</i>	<i>13000 SHERBURNE AVE</i>	<i>NNW 1/4 - 1/2 (0.444 mi.)</i>	<i>4</i>	<i>9</i>
<i>BECKER TIRE & AUTO</i>	<i>14195 BANK ST</i>	<i>N 1/4 - 1/2 (0.491 mi.)</i>	<i>5</i>	<i>9</i>

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 25 records.

<u>Site Name</u>	<u>Database(s)</u>
BECKER LAWN & GARDEN	RCRA-NonGen, FINDS, WIMN
PRODUCT RECOVERY INC	FINDS, WIMN
LUMLEYS BODY SHOP	WIMN
BECKER MAPLE LAKE SOD	FINDS, WIMN
BECKER CITY OF	WIMN
BECKER INDUSTRIAL PARK 2ND ADDITIO	WIMN
BNSF BECKER	MN LS, WIMN
CP 71-667-06 - BECKER	WIMN
CP 71-623-08 - BECKER	WIMN
127TH ST SE & 153RD AVE SE - BECKE	WIMN
BECKER SELF STORAGE	WIMN
2008 ATHLETIC COMPLEX IMPROV - BEC	WIMN
KNIFE RIVER NORTH CENTRAL BECKER	FINANCIAL ASSURANCE, WIMN
GRANITE CITY READY MIX	FINDS, WIMN
BECKER CITY OF	AST
KNIFE RIVER NORTH CENTRAL BECKER	AST
ASH POND 1999 INDUSTRIAL BLVD	ERNS
BECKER SUBSTATION COUNTY RD 23 AND	ERNS
1399 INDUSTRIAL BLVD	ERNS
2008 ATHLETIC COMPLEX IMPROV - BEC	FINDS
127TH ST SE & 153RD AVE SE - BECKE	FINDS
CITY OF BECKER	SPILLS, FINANCIAL ASSURANCE
BNSF BECKER SHERCO XCEL	SPILLS, FINANCIAL ASSURANCE
KNIFE RIVER/BECKER	TIER 2
BECKER CITY OF	FINANCIAL ASSURANCE

OVERVIEW MAP - 3044552.2s



- ★ Target Property
- ▲ Sites at elevations higher than or equal to the target property
- ◆ Sites at elevations lower than the target property
- ▲ Manufactured Gas Plants
- National Priority List Sites
- Dept. Defense Sites

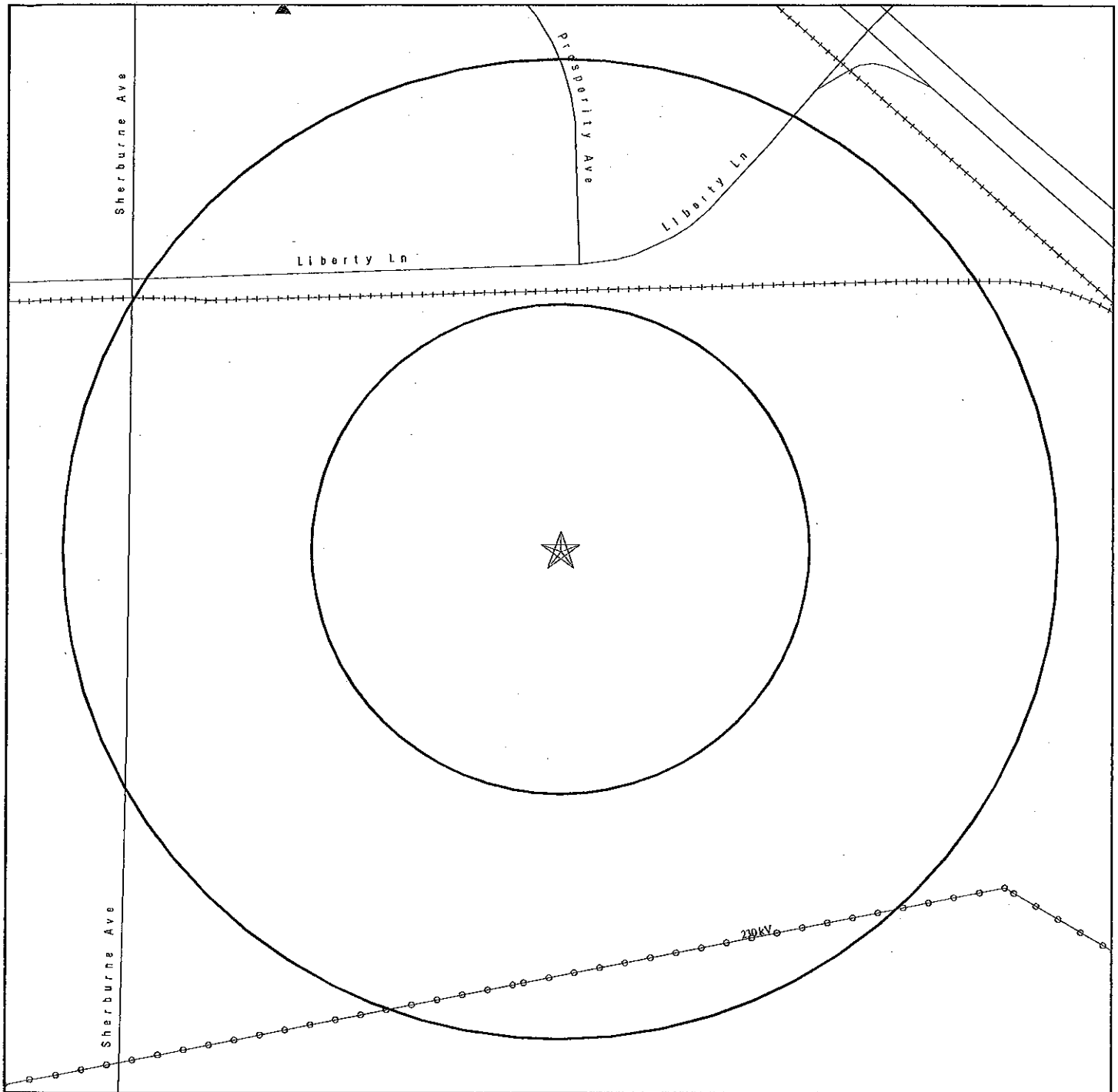
- Indian Reservations BIA
- ~ Power transmission lines
- ~ Oil & Gas pipelines
- 100-year flood zone
- 500-year flood zone
- National Wetland Inventory

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Becker Industrial Park
 ADDRESS: Shurburne Ave/Liberty Ln SE
 Becker MN 55308
 LAT/LONG: 45.3799 / 93.8660

CLIENT: Northern Technologies
 CONTACT: Tony Francis
 INQUIRY #: 3044552.2s
 DATE: April 18, 2011 4:22 pm

DETAIL MAP - 3044552.2s



- ★ Target Property
- ▲ Sites at elevations higher than or equal to the target property
- ◆ Sites at elevations lower than the target property
- ▲ Manufactured Gas Plants
- Sensitive Receptors
- National Priority List Sites
- Dept. Defense Sites

- Indian Reservations BIA
- ~ Power transmission lines
- ~ Oil & Gas pipelines
- 100-year flood zone
- 500-year flood zone

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Becker Industrial Park
 ADDRESS: Shurburne Ave/Liberty Ln SE
 Becker MN 55308
 LAT/LONG: 45.3799 / 93.8660

CLIENT: Northern Technologies
 CONTACT: Tony Francis
 INQUIRY #: 3044552.2s
 DATE: April 18, 2011 4:23 pm

MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
<u>STANDARD ENVIRONMENTAL RECORDS</u>								
<i>Federal NPL site list</i>								
NPL		1.000	0	0	0	0	NR	0
Proposed NPL		1.000	0	0	0	0	NR	0
NPL LIENS	TP		NR	NR	NR	NR	NR	0
<i>Federal Delisted NPL site list</i>								
Delisted NPL		1.000	0	0	0	0	NR	0
<i>Federal CERCLIS list</i>								
CERCLIS		0.500	0	0	0	NR	NR	0
FEDERAL FACILITY		1.000	0	0	0	0	NR	0
<i>Federal CERCLIS NFRAP site List</i>								
CERC-NFRAP		0.500	0	0	0	NR	NR	0
<i>Federal RCRA CORRACTS facilities list</i>								
CORRACTS		1.000	0	0	0	0	NR	0
<i>Federal RCRA non-CORRACTS TSD facilities list</i>								
RCRA-TSDF		0.500	0	0	0	NR	NR	0
<i>Federal RCRA generators list</i>								
RCRA-LQG		0.250	0	0	NR	NR	NR	0
RCRA-SQG		0.250	0	0	NR	NR	NR	0
RCRA-CESQG		0.250	0	0	NR	NR	NR	0
<i>Federal institutional controls / engineering controls registries</i>								
US ENG CONTROLS		0.500	0	0	0	NR	NR	0
US INST CONTROL		0.500	0	0	0	NR	NR	0
<i>Federal ERNS list</i>								
ERNS	TP		NR	NR	NR	NR	NR	0
<i>State- and tribal - equivalent NPL</i>								
MN PLP		1.000	0	0	0	0	NR	0
<i>State- and tribal - equivalent CERCLIS</i>								
SHWS		1.000	0	0	0	0	NR	0
<i>State and tribal landfill and/or solid waste disposal site lists</i>								
SWF/LF		0.500	0	0	0	NR	NR	0
LCP		0.500	0	0	0	NR	NR	0
UNPERM LF		0.500	0	0	0	NR	NR	0
<i>State and tribal leaking storage tank lists</i>								
LUST		0.500	0	0	0	NR	NR	0

MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
LAST		0.500	0	0	0	NR	NR	0
INDIAN LUST		0.500	0	0	0	NR	NR	0
State and tribal registered storage tank lists								
UST		0.250	0	0	NR	NR	NR	0
AST		0.250	0	0	NR	NR	NR	0
INDIAN UST		0.250	0	0	NR	NR	NR	0
FEMA UST		0.250	0	0	NR	NR	NR	0
State and tribal institutional control / engineering control registries								
INST CONTROL		0.500	0	0	0	NR	NR	0
State and tribal voluntary cleanup sites								
VIC		0.500	0	0	0	NR	NR	0
INDIAN VCP		0.500	0	0	0	NR	NR	0
State and tribal Brownfields sites								
BROWNFIELDS		0.500	0	0	0	NR	NR	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS		0.500	0	0	0	NR	NR	0
Local Lists of Landfill / Solid Waste Disposal Sites								
ODI		0.500	0	0	0	NR	NR	0
DEBRIS REGION 9		0.500	0	0	0	NR	NR	0
SWRCY		0.500	0	0	0	NR	NR	0
INDIAN ODI		0.500	0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
US CDL	TP		NR	NR	NR	NR	NR	0
SRS	0.500		0	0	0	NR	NR	0
MN DEL PLP	1.000		0	0	0	0	NR	0
CDL	TP		NR	NR	NR	NR	NR	0
US HIST CDL	TP		NR	NR	NR	NR	NR	0
Local Land Records								
LIENS 2	TP		NR	NR	NR	NR	NR	0
LUCIS	0.500		0	0	0	NR	NR	0
LIENS	TP		NR	NR	NR	NR	NR	0
Records of Emergency Release Reports								
HMIRS	TP		NR	NR	NR	NR	NR	0
SPILLS	TP		NR	NR	NR	NR	NR	0
AGSPILLS	TP		NR	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA-NonGen		0.250	0	0	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
DOT OPS	TP		NR	NR	NR	NR	NR	0
DOD		1.000	0	0	0	0	NR	0
FUDS		1.000	0	0	0	0	NR	0
CONSENT		1.000	0	0	0	0	NR	0
ROD		1.000	0	0	0	0	NR	0
UMTRA		0.500	0	0	0	NR	NR	0
MINES		0.250	0	0	NR	NR	NR	0
TRIS	TP		NR	NR	NR	NR	NR	0
TSCA	TP		NR	NR	NR	NR	NR	0
FTTS	TP		NR	NR	NR	NR	NR	0
HIST FTTS	TP		NR	NR	NR	NR	NR	0
SSTS	TP		NR	NR	NR	NR	NR	0
ICIS	TP		NR	NR	NR	NR	NR	0
PADS	TP		NR	NR	NR	NR	NR	0
MLTS	TP		NR	NR	NR	NR	NR	0
RADINFO	TP		NR	NR	NR	NR	NR	0
FINDS	TP		NR	NR	NR	NR	NR	0
RAATS	TP		NR	NR	NR	NR	NR	0
MN LS		0.500	0	0	0	NR	NR	0
BULK		0.250	0	0	NR	NR	NR	0
MANIFEST		0.250	0	0	NR	NR	NR	0
DRYCLEANERS		0.250	0	0	NR	NR	NR	0
ENF	TP		NR	NR	NR	NR	NR	0
MN HWS Permit		1.000	0	0	0	0	NR	0
AIRS	TP		NR	NR	NR	NR	NR	0
TIER 2	TP		NR	NR	NR	NR	NR	0
INDIAN RESERV		1.000	0	0	0	0	NR	0
SCRD DRYCLEANERS		0.500	0	0	0	NR	NR	0
PCB TRANSFORMER	TP		NR	NR	NR	NR	NR	0
COAL ASH EPA		0.500	0	0	0	NR	NR	0
COAL ASH DOE	TP		NR	NR	NR	NR	NR	0
MDA LIS		0.250	0	0	NR	NR	NR	0
FINANCIAL ASSURANCE	TP		NR	NR	NR	NR	NR	0
AGVIC		0.500	0	0	0	NR	NR	0
WIMN		0.500	0	0	5	NR	NR	5
COAL ASH		0.500	0	0	0	NR	NR	0

EDR PROPRIETARY RECORDS

EDR Proprietary Records

Manufactured Gas Plants	1.000	0	0	0	0	NR	0
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NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

1
NNW
1/4-1/2
0.310 mi.
1636 ft.

PARADIGME ENGINEERING INC
14085 COMMERCE DR
BECKER, MN 55308

RCRA-NonGen
FINDS
WIMN
1004739876
MNR000104588

Relative:
Higher

Actual:
970 ft.

RCRA-NonGen:

Date form received by agency: 05/14/2001
Facility name: PARADIGME ENGINEERING INC
Facility address: 14085 COMMERCE DR
BECKER, MN 55308
EPA ID: MNR000104588
Contact: JON PALMQUIST
Contact address: 14085 COMMERCE DR
BECKER, MN 55308
Contact country: US
Contact telephone: (763) 261-2000
Contact email: Not reported
EPA Region: 05
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: PARADIGME ENGINEERING INC
Owner/operator address: 14085 COMMERCE DR
BECKER, MN 55308
Owner/operator country: US
Owner/operator telephone: (763) 261-2000
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 05/31/2001
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground Injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
Used oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No
Off-site waste receiver: Commercial status unknown

Violation Status: No violations found

FINDS:

Registry ID: 110006552088

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PARADIGME ENGINEERING INC (Continued)

1004739876

Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

MN-DELTA (Minnesota - Permitting, Compliance, And Enforcement Information Management System) facilitates the issuance of permits and manages compliance.

WIMN:

Legislative District: 16B
Latitude: 45.38545703
Longitude: -93.86846619
Activity: Hazardous Waste, Small to Minimal QG
MPCA Id: MNR000104588
Major Watershed: Mississippi River (St. Cloud)
Corrd Method: Address Matching House Number
Status: Active

[Click here to access Minnesota Pollution Control Agency:](#)

A2
NNW
1/4-1/2
0.397 mi.
2099 ft.
PASSIVE COMPONENTS
14095 PROSPERITY AVE
BECKER, MN 55308
Site 1 of 2 in cluster A

WIMN S110595647
N/A

Relative:
Higher

WIMN:

Legislative District: 16B
Latitude: 45.38532460
Longitude: -93.86864277
Activity: Hazardous Waste, Small to Minimal QG
MPCA Id: MNS000156869
Major Watershed: Mississippi River (St. Cloud)
Corrd Method: Address Matching House Number
Status: Active

Actual:
970 ft.

[Click here to access Minnesota Pollution Control Agency:](#)

A3
NNW
1/4-1/2
0.411 mi.
2173 ft.
1ST CUT PRODUCTS INC
14075 PROSPERITY AVE
BECKER, MN 55308
Site 2 of 2 in cluster A

WIMN S110424981
N/A

Relative:
Higher

WIMN:

Legislative District: 16B
Latitude: 45.38545653
Longitude: -93.86893149
Activity: Hazardous Waste, Small to Minimal QG
MPCA Id: MNS000132076
Major Watershed: Mississippi River (St. Cloud)
Corrd Method: Address Matching House Number
Status: Active

Actual:
970 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

1ST CUT PRODUCTS INC (Continued)

S110424981

[Click here to access Minnesota Pollution Control Agency:](#)

4
NNW
1/4-1/2
0.444 mi.
2342 ft.

TJ POTTER TRUCKING INC
13000 SHERBURNE AVE
BECKER, MN 55308

FINDS 1008168272
WIMN N/A

Relative:
Higher

FINDS:

Registry ID: 110020643847

Actual:
970 ft.

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

MN-DELTA (Minnesota - Permitting, Compliance, And Enforcement Information Management System) facilitates the issuance of permits and manages compliance.

WIMN:

Legislative District: 16B
Latitude: 45.37572159
Longitude: -93.87067043
Activity: Hazardous Waste, Small to Minimal QG
MPCA Id: MNR000118988
Major Watershed: Mississippi River (St. Cloud)
Corrd Method: Address Matching House Number
Status: Active

[Click here to access Minnesota Pollution Control Agency:](#)

5
North
1/4-1/2
0.491 mi.
2594 ft.

BECKER TIRE & AUTO
14195 BANK ST
BECKER, MN 55308

RCRA-NonGen 1004726973
FINDS MN0000467092
WIMN

Relative:
Higher

RCRA-NonGen:

Date form received by agency: 07/18/1994
Facility name: BECKER TIRE & AUTO
Facility address: 14195 BANK ST
BECKER, MN 55308
EPA ID: MN0000467092
Contact: LONNY STAVIG
Contact address: 14195 BANK ST
BECKER, MN 55308
Contact country: US
Contact telephone: (763) 262-4441
Contact email: Not reported

Actual:
970 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BECKER TIRE & AUTO (Continued)

1004726973

EPA Region: 05
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: BECKER TIRE & AUTO
Owner/operator address: 14195 BANK ST
BECKER, MN 55308
Owner/operator country: US
Owner/operator telephone: (763) 262-4441
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 07/26/1999
Owner/Op end date: 01/23/2007

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
Used oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No
Off-site waste receiver: Commercial status unknown

Hazardous Waste Summary:

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Waste code: D039
Waste name: TETRACHLOROETHYLENE

Violation Status: No violations found

FINDS:

Registry ID: 110003731953

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport,

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BECKER TIRE & AUTO (Continued)

1004726973

and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

MN-DELTA (Minnesota - Permitting, Compliance, And Enforcement Information Management System) facilitates the issuance of permits and manages compliance.

WIMN:

Legislative District: 16B
Latitude: 45.38805506
Longitude: -93.86803867
Activity: Hazardous Waste, Small to Minimal QG
MPCA Id: MN0000467092
Major Watershed: Mississippi River (St. Cloud)
Corrd Method: Address Matching House Number
Status: Inactive

[Click here to access Minnesota Pollution Control Agency:](#)

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
BECKER	1000269171	BECKER LAWN & GARDEN	HWY 10	55308	RCRA-NonGen, FINDS, WIMN
BECKER	1007866852	PRODUCT RECOVERY INC	11680 HWY 10 SE	55308	FINDS, WIMN
BECKER	S110214021	LUMLEY'S BODY SHOP	7714 HWY 10	55308	WIMN
BECKER	1005896578	BECKER MAPLE LAKE SOD	7162 165TH ST SE	55308	FINDS, WIMN
BECKER	S106894548	CITY OF BECKER	ADDRESS UNKNOWN		SPILLS, FINANCIAL ASSURANCE
BECKER	94385303	ASH POND 1999 INDUSTRIAL BLVD	ASH POND 1999 INDUSTRIAL BLVD		ERNS
BECKER	90178233	BECKER SUBSTATION COUNTY RD 23 AND	BECKER SUBSTATION COUNTY RD 23		ERNS
BECKER	S107959150	BECKER CITY OF	CLUBHOUSE LN 3RD & GARDNER		FINANCIAL ASSURANCE
BECKER	S110426825	BECKER CITY OF	CLUBHOUSE LN 3RD & GARDNER	55308	WIMN
BECKER	A100025560	BECKER CITY OF	CLUBHOUSE LN 3RD & GARDNER	55308	AST
BECKER	94373309	1399 INDUSTRIAL BLVD	1399 INDUSTRIAL BLVD		ERNS
BECKER	1011851832	2008 ATHLETIC COMPLEX IMPROV - BEC	SEE LOCATION DESCRIPTION	55308	FINDS
BECKER	S110181527	BECKER INDUSTRIAL PARK 2ND ADDITIO	SEE LOCATION DESCRIPTION	55308	WIMN
BECKER	1012134955	127TH ST SE & 153RD AVE SE - BECKE	SEE LOCATION DESCRIPTION	55308	FINDS
BECKER	S108975166	BNSF BECKER	SEE LOCATION DESCRIPTION	55308	MN LS, WIMN
BECKER	S110429215	CP 71-667-06 - BECKER	SEE LOCATION DESCRIPTION	55308	WIMN
BECKER	S110429213	CP 71-623-08 - BECKER	SEE LOCATION DESCRIPTION	55308	WIMN
BECKER	S110424940	127TH ST SE & 153RD AVE SE - BECKE	SEE LOCATION DESCRIPTION	55308	WIMN
BECKER	S110426831	BECKER SELF STORAGE	SEE LOCATION DESCRIPTION	55308	WIMN
BECKER	S110425274	2008 ATHLETIC COMPLEX IMPROV - BEC	SEE LOCATION DESCRIPTION	55308	WIMN
BECKER	S107966283	KNIFE RIVER NORTH CENTRAL BECKER	SEE LOCATION DESCRIPTION	55308	WIMN
BECKER	S109058219	KNIFE RIVER/BECKER	16480 SHERBURNE AVE		FINANCIAL ASSURANCE, WIMN
BECKER	A100279656	KNIFE RIVER NORTH CENTRAL BECKER	16480 SHERBURNE AVE	55308	TIER 2
BECKER	1005896570	GRANITE CITY READY MIX	16480 SHERBURNE AVE	55308	AST
BECKER	S108078849	BNSF BECKER SHERCO XCEL	SHERBURNE COUNTY RD	55308	FINDS, WIMN
			SPUR ON BECKER & CLEAR LAKE B		SPILLS, FINANCIAL ASSURANCE

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 12/31/2010	Source: EPA
Date Data Arrived at EDR: 01/13/2011	Telephone: N/A
Date Made Active in Reports: 01/28/2011	Last EDR Contact: 04/13/2011
Number of Days to Update: 15	Next Scheduled EDR Contact: 07/25/2011
	Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 7
Telephone: 913-551-7247

EPA Region 4
Telephone 404-562-8033

EPA Region 8
Telephone: 303-312-6774

EPA Region 5
Telephone 312-886-6686

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 12/31/2010	Source: EPA
Date Data Arrived at EDR: 01/13/2011	Telephone: N/A
Date Made Active in Reports: 01/28/2011	Last EDR Contact: 04/13/2011
Number of Days to Update: 15	Next Scheduled EDR Contact: 07/25/2011
	Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991	Source: EPA
Date Data Arrived at EDR: 02/02/1994	Telephone: 202-564-4267
Date Made Active in Reports: 03/30/1994	Last EDR Contact: 02/14/2011
Number of Days to Update: 56	Next Scheduled EDR Contact: 05/30/2011
	Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Federal Delisted NPL site list

DELISTED NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 12/31/2010
Date Data Arrived at EDR: 01/13/2011
Date Made Active in Reports: 01/28/2011
Number of Days to Update: 15

Source: EPA
Telephone: N/A
Last EDR Contact: 04/13/2011
Next Scheduled EDR Contact: 07/25/2011
Data Release Frequency: Quarterly

Federal CERCLIS list

CERCLIS: Comprehensive Environmental Response, Compensation, and Liability Information System

CERCLIS contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 11/30/2010
Date Data Arrived at EDR: 12/30/2010
Date Made Active in Reports: 02/25/2011
Number of Days to Update: 57

Source: EPA
Telephone: 703-412-9810
Last EDR Contact: 03/01/2011
Next Scheduled EDR Contact: 06/13/2011
Data Release Frequency: Quarterly

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA's Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 12/10/2010
Date Data Arrived at EDR: 01/11/2011
Date Made Active in Reports: 02/16/2011
Number of Days to Update: 36

Source: Environmental Protection Agency
Telephone: 703-603-8704
Last EDR Contact: 04/15/2011
Next Scheduled EDR Contact: 07/25/2011
Data Release Frequency: Varies

Federal CERCLIS NFRAP site List

CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned

Archived sites are sites that have been removed and archived from the inventory of CERCLIS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

Date of Government Version: 10/28/2010
Date Data Arrived at EDR: 12/01/2010
Date Made Active in Reports: 02/25/2011
Number of Days to Update: 86

Source: EPA
Telephone: 703-412-9810
Last EDR Contact: 03/01/2011
Next Scheduled EDR Contact: 06/13/2011
Data Release Frequency: Quarterly

Federal RCRA CORRACTS facilities list

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 05/25/2010
Date Data Arrived at EDR: 06/02/2010
Date Made Active in Reports: 10/04/2010
Number of Days to Update: 124

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 02/14/2011
Next Scheduled EDR Contact: 05/30/2011
Data Release Frequency: Quarterly

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 02/17/2010
Date Data Arrived at EDR: 02/19/2010
Date Made Active in Reports: 05/17/2010
Number of Days to Update: 87

Source: Environmental Protection Agency
Telephone: 312-886-6186
Last EDR Contact: 04/05/2011
Next Scheduled EDR Contact: 07/18/2011
Data Release Frequency: Quarterly

Federal RCRA generators list

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 02/17/2010
Date Data Arrived at EDR: 02/19/2010
Date Made Active in Reports: 05/17/2010
Number of Days to Update: 87

Source: Environmental Protection Agency
Telephone: 312-886-6186
Last EDR Contact: 04/05/2011
Next Scheduled EDR Contact: 07/18/2011
Data Release Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 02/17/2010
Date Data Arrived at EDR: 02/19/2010
Date Made Active in Reports: 05/17/2010
Number of Days to Update: 87

Source: Environmental Protection Agency
Telephone: 312-886-6186
Last EDR Contact: 04/05/2011
Next Scheduled EDR Contact: 07/18/2011
Data Release Frequency: Quarterly

RCRA-CESQG: RCRA - Conditionally Exempt Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 02/17/2010
Date Data Arrived at EDR: 02/19/2010
Date Made Active in Reports: 05/17/2010
Number of Days to Update: 87

Source: Environmental Protection Agency
Telephone: 312-886-6186
Last EDR Contact: 04/05/2011
Next Scheduled EDR Contact: 07/18/2011
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Federal institutional controls / engineering controls registries

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 01/05/2011	Source: Environmental Protection Agency
Date Data Arrived at EDR: 01/14/2011	Telephone: 703-603-0695
Date Made Active in Reports: 01/28/2011	Last EDR Contact: 03/14/2011
Number of Days to Update: 14	Next Scheduled EDR Contact: 06/27/2011
	Data Release Frequency: Varies

US INST CONTROL: Sites with Institutional Controls

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 01/05/2011	Source: Environmental Protection Agency
Date Data Arrived at EDR: 01/14/2011	Telephone: 703-603-0695
Date Made Active in Reports: 01/28/2011	Last EDR Contact: 03/14/2011
Number of Days to Update: 14	Next Scheduled EDR Contact: 06/27/2011
	Data Release Frequency: Varies

Federal ERNS list

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 12/31/2010	Source: National Response Center, United States Coast Guard
Date Data Arrived at EDR: 01/07/2011	Telephone: 202-267-2180
Date Made Active in Reports: 03/21/2011	Last EDR Contact: 04/05/2011
Number of Days to Update: 73	Next Scheduled EDR Contact: 07/18/2011
	Data Release Frequency: Annually

State- and tribal - equivalent NPL

MN PLP: Permanent List of Priorities

The list identifies hazardous waste sites where investigation and cleanup are needed, cleanup is underway, or cleanup has been completed and long-term monitoring or maintenance continues.

Date of Government Version: 08/01/2009	Source: Pollution Control Agency
Date Data Arrived at EDR: 12/16/2009	Telephone: 651-296-6139
Date Made Active in Reports: 01/13/2010	Last EDR Contact: 02/28/2011
Number of Days to Update: 28	Next Scheduled EDR Contact: 05/30/2011
	Data Release Frequency: Annually

State- and tribal - equivalent CERCLIS

SHWS: Superfund Site Information Listing

The SRS database includes all sites that the State Superfund Program is dealing with or has dealt with. The Superfund Program identifies, investigates and determines appropriate cleanup plans for abandoned or uncontrolled hazardous waste sites where a release or potential release of a hazardous substance poses a risk to human health or the environment.

Date of Government Version: 01/03/2011	Source: Minnesota Pollution Control Agency
Date Data Arrived at EDR: 01/06/2011	Telephone: 651-296-6300
Date Made Active in Reports: 02/02/2011	Last EDR Contact: 03/18/2011
Number of Days to Update: 27	Next Scheduled EDR Contact: 06/27/2011
	Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

State and tribal landfill and/or solid waste disposal site lists

SWF/LF: Permitted Solid Waste Disposal Facilities

Solid Waste Facilities/Landfill Sites. SWF/LF type records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. Depending on the state, these may be active or inactive facilities or open dumps that failed to meet RCRA Subtitle D Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 02/01/2011
Date Data Arrived at EDR: 02/15/2011
Date Made Active in Reports: 02/28/2011
Number of Days to Update: 13

Source: Minnesota Pollution Control Agency
Telephone: 651-296-7276
Last EDR Contact: 02/15/2011
Next Scheduled EDR Contact: 05/30/2011
Data Release Frequency: Varies

LCP: Closed Landfills Priority List

The Minnesota Legislature enacted a law to manage and clean up the state's closed Mixed Municipal Solid Waste Landfills. Under that law, the MPCA is required to create and periodically revise a priority list of qualified landfills, based on the relative health and environmental risks they present. The MPCA established the first such priority list in December, 1994.

Date of Government Version: 11/01/2009
Date Data Arrived at EDR: 01/08/2010
Date Made Active in Reports: 01/26/2010
Number of Days to Update: 18

Source: Minnesota Pollution Control Agency
Telephone: 651-296-9543
Source: Pollution Control Agency, GIS Section
Telephone: 651-296-7266
Last EDR Contact: 02/28/2011
Next Scheduled EDR Contact: 06/13/2011
Data Release Frequency: Annually

UNPERM LF: Unpermitted Facilities

These are facilities that have solid waste disposal yet are not permitted.

Date of Government Version: 02/01/2011
Date Data Arrived at EDR: 02/15/2011
Date Made Active in Reports: 02/28/2011
Number of Days to Update: 13

Source: Pollution Control Agency
Telephone: 651-757-2665
Last EDR Contact: 02/15/2011
Next Scheduled EDR Contact: 05/30/2011
Data Release Frequency: Quarterly

State and tribal leaking storage tank lists

LUST: Leak Sites

Leaking Underground Storage Tank Incident Reports. LUST records contain an inventory of reported leaking underground storage tank incidents. Not all states maintain these records, and the information stored varies by state.

Date of Government Version: 03/18/2011
Date Data Arrived at EDR: 03/23/2011
Date Made Active in Reports: 04/13/2011
Number of Days to Update: 21

Source: Minnesota Pollution Control Agency
Telephone: 651-296-6300
Last EDR Contact: 03/23/2011
Next Scheduled EDR Contact: 05/30/2011
Data Release Frequency: Semi-Annually

LAST: Leaking Aboveground Storage Tanks

A listing of leaking aboveground storage tanks.

Date of Government Version: 03/18/2011
Date Data Arrived at EDR: 03/23/2011
Date Made Active in Reports: 04/13/2011
Number of Days to Update: 21

Source: Pollution Control Agency
Telephone: 651-296-6300
Last EDR Contact: 03/23/2011
Next Scheduled EDR Contact: 05/30/2011
Data Release Frequency: Semi-Annually

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 02/04/2011
Date Data Arrived at EDR: 02/04/2011
Date Made Active in Reports: 03/21/2011
Number of Days to Update: 45

Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 01/31/2011
Next Scheduled EDR Contact: 05/16/2011
Data Release Frequency: Quarterly

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 11/04/2009
Date Data Arrived at EDR: 05/04/2010
Date Made Active in Reports: 07/07/2010
Number of Days to Update: 64

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 05/04/2010
Next Scheduled EDR Contact: 05/16/2011
Data Release Frequency: Varies

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 02/03/2011
Date Data Arrived at EDR: 02/04/2011
Date Made Active in Reports: 03/21/2011
Number of Days to Update: 45

Source: EPA Region 6
Telephone: 214-685-6597
Last EDR Contact: 01/31/2011
Next Scheduled EDR Contact: 05/16/2011
Data Release Frequency: Varies

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 09/01/2010
Date Data Arrived at EDR: 11/05/2010
Date Made Active in Reports: 01/28/2011
Number of Days to Update: 84

Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 02/03/2011
Next Scheduled EDR Contact: 05/16/2011
Data Release Frequency: Varies

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 02/03/2011
Date Data Arrived at EDR: 02/04/2011
Date Made Active in Reports: 03/21/2011
Number of Days to Update: 45

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 01/31/2011
Next Scheduled EDR Contact: 05/16/2011
Data Release Frequency: Quarterly

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 01/31/2011
Date Data Arrived at EDR: 02/01/2011
Date Made Active in Reports: 03/21/2011
Number of Days to Update: 48

Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 01/31/2011
Next Scheduled EDR Contact: 05/16/2011
Data Release Frequency: Quarterly

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 08/27/2010
Date Data Arrived at EDR: 08/30/2010
Date Made Active in Reports: 10/04/2010
Number of Days to Update: 35

Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 02/16/2011
Next Scheduled EDR Contact: 05/16/2011
Data Release Frequency: Semi-Annually

State and tribal registered storage tank lists

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

UST: Underground Storage Tank Database

Registered Underground Storage Tanks. UST's are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA) and must be registered with the state department responsible for administering the UST program. Available information varies by state program.

Date of Government Version: 03/18/2011
Date Data Arrived at EDR: 03/23/2011
Date Made Active in Reports: 04/12/2011
Number of Days to Update: 20

Source: Minnesota Pollution Control Agency
Telephone: 651-649-5451
Last EDR Contact: 03/23/2011
Next Scheduled EDR Contact: 05/30/2011
Data Release Frequency: Varies

AST: Aboveground Storage Tanks

Registered Aboveground Storage Tanks.

Date of Government Version: 03/18/2011
Date Data Arrived at EDR: 03/23/2011
Date Made Active in Reports: 04/12/2011
Number of Days to Update: 20

Source: Minnesota Pollution Control Agency
Telephone: 651-296-0930
Last EDR Contact: 03/23/2011
Next Scheduled EDR Contact: 05/30/2011
Data Release Frequency: Semi-Annually

INDIAN UST R5: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 02/11/2010
Date Data Arrived at EDR: 02/11/2010
Date Made Active in Reports: 04/12/2010
Number of Days to Update: 60

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 01/31/2011
Next Scheduled EDR Contact: 05/16/2011
Data Release Frequency: Varies

INDIAN UST R1: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 09/01/2010
Date Data Arrived at EDR: 11/05/2010
Date Made Active in Reports: 01/28/2011
Number of Days to Update: 84

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 02/03/2011
Next Scheduled EDR Contact: 05/16/2011
Data Release Frequency: Varies

INDIAN UST R10: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 02/03/2011
Date Data Arrived at EDR: 02/04/2011
Date Made Active in Reports: 03/21/2011
Number of Days to Update: 45

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 01/31/2011
Next Scheduled EDR Contact: 05/16/2011
Data Release Frequency: Quarterly

INDIAN UST R7: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 11/01/2010
Date Data Arrived at EDR: 12/02/2010
Date Made Active in Reports: 01/28/2011
Number of Days to Update: 57

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 02/03/2011
Next Scheduled EDR Contact: 05/16/2011
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN UST R8: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 02/04/2011	Source: EPA Region 8
Date Data Arrived at EDR: 02/04/2011	Telephone: 303-312-6137
Date Made Active in Reports: 03/21/2011	Last EDR Contact: 01/31/2011
Number of Days to Update: 45	Next Scheduled EDR Contact: 05/16/2011
	Data Release Frequency: Quarterly

INDIAN UST R9: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 01/31/2011	Source: EPA Region 9
Date Data Arrived at EDR: 02/01/2011	Telephone: 415-972-3368
Date Made Active in Reports: 03/21/2011	Last EDR Contact: 01/31/2011
Number of Days to Update: 48	Next Scheduled EDR Contact: 05/16/2011
	Data Release Frequency: Quarterly

INDIAN UST R6: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 02/03/2011	Source: EPA Region 6
Date Data Arrived at EDR: 02/04/2011	Telephone: 214-665-7591
Date Made Active in Reports: 03/21/2011	Last EDR Contact: 01/31/2011
Number of Days to Update: 45	Next Scheduled EDR Contact: 05/16/2011
	Data Release Frequency: Semi-Annually

INDIAN UST R4: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 08/27/2010	Source: EPA Region 4
Date Data Arrived at EDR: 08/30/2010	Telephone: 404-562-9424
Date Made Active in Reports: 10/04/2010	Last EDR Contact: 02/16/2011
Number of Days to Update: 35	Next Scheduled EDR Contact: 05/16/2011
	Data Release Frequency: Semi-Annually

FEMA UST: Underground Storage Tank Listing

A listing of all FEMA owned underground storage tanks.

Date of Government Version: 01/01/2010	Source: FEMA
Date Data Arrived at EDR: 02/16/2010	Telephone: 202-646-5797
Date Made Active in Reports: 04/12/2010	Last EDR Contact: 04/18/2011
Number of Days to Update: 55	Next Scheduled EDR Contact: 08/01/2011
	Data Release Frequency: Varies

State and tribal institutional control / engineering control registries

INST CONTROL: Site Remediation Section Database

Sites that have an Institutional Control event.

Date of Government Version: 01/03/2011	Source: Pollution Control Agency
Date Data Arrived at EDR: 01/06/2011	Telephone: 512-296-6300
Date Made Active in Reports: 02/02/2011	Last EDR Contact: 03/18/2011
Number of Days to Update: 27	Next Scheduled EDR Contact: 06/27/2011
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

State and tribal voluntary cleanup sites

INDIAN VCP R1: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 09/01/2010	Source: EPA, Region 1
Date Data Arrived at EDR: 01/05/2011	Telephone: 617-918-1102
Date Made Active in Reports: 03/21/2011	Last EDR Contact: 04/05/2011
Number of Days to Update: 75	Next Scheduled EDR Contact: 07/18/2011
	Data Release Frequency: Varies

INDIAN VCP R7: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008	Source: EPA, Region 7
Date Data Arrived at EDR: 04/22/2008	Telephone: 913-551-7365
Date Made Active in Reports: 05/19/2008	Last EDR Contact: 04/20/2009
Number of Days to Update: 27	Next Scheduled EDR Contact: 07/20/2009
	Data Release Frequency: Varies

VIC: Voluntary Investigation and Cleanup Program

Voluntary Investigation and Cleanup (VIC) Program List.

Date of Government Version: 01/03/2011	Source: Minnesota Pollution Control Agency
Date Data Arrived at EDR: 01/06/2011	Telephone: 651-296-7291
Date Made Active in Reports: 02/02/2011	Last EDR Contact: 03/18/2011
Number of Days to Update: 27	Next Scheduled EDR Contact: 06/27/2011
	Data Release Frequency: Quarterly

State and tribal Brownfields sites

BROWNFIELDS: Petroleum Brownfields Program Sites

Purchasing, selling, or developing property can present a special set of obstacles if the property is contaminated with chemicals. The Petroleum Brownfields Program is one of several programs within the Minnesota Pollution Control Agency (MPCA) designed to help people address these obstacles. The purpose of the Petroleum Brownfields Program is to provide the technical assistance and liability assurance needed to expedite and facilitate the development, transfer, investigation and/or cleanup of property that is contaminated with petroleum.

Date of Government Version: 09/30/2010	Source: Pollution Control Agency
Date Data Arrived at EDR: 03/15/2011	Telephone: 651-296-7999
Date Made Active in Reports: 04/13/2011	Last EDR Contact: 03/15/2011
Number of Days to Update: 29	Next Scheduled EDR Contact: 06/06/2011
	Data Release Frequency: Varies

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Included in the listing are brownfields properties addresses by Cooperative Agreement Recipients and brownfields properties addressed by Targeted Brownfields Assessments. Targeted Brownfields Assessments-EPA's Targeted Brownfields Assessments (TBA) program is designed to help states, tribes, and municipalities--especially those without EPA Brownfields Assessment Demonstration Pilots--minimize the uncertainties of contamination often associated with brownfields. Under the TBA program, EPA provides funding and/or technical assistance for environmental assessments at brownfields sites throughout the country. Targeted Brownfields Assessments supplement and work with other efforts under EPA's Brownfields Initiative to promote cleanup and redevelopment of brownfields. Cooperative Agreement Recipients--States, political subdivisions, territories, and Indian tribes become Brownfields Cleanup Revolving Loan Fund (BCRLF) cooperative agreement recipients when they enter into BCRLF cooperative agreements with the U.S. EPA. EPA selects BCRLF cooperative agreement recipients based on a proposal and application process. BCRLF cooperative agreement recipients must use EPA funds provided through BCRLF cooperative agreement for specified brownfields-related cleanup activities.

Date of Government Version: 12/29/2010
Date Data Arrived at EDR: 12/30/2010
Date Made Active in Reports: 03/21/2011
Number of Days to Update: 81

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 03/29/2011
Next Scheduled EDR Contact: 07/11/2011
Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

ODI: Open Dump Inventory

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985
Date Data Arrived at EDR: 08/09/2004
Date Made Active in Reports: 09/17/2004
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 06/09/2004
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009
Date Data Arrived at EDR: 05/07/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 137

Source: EPA, Region 9
Telephone: 415-947-4219
Last EDR Contact: 03/28/2011
Next Scheduled EDR Contact: 07/11/2011
Data Release Frequency: No Update Planned

SWRCY: Recycling Facilities

A listing of companies that accept commercial quantities of recyclable materials.

Date of Government Version: 10/07/2010
Date Data Arrived at EDR: 02/17/2011
Date Made Active in Reports: 02/24/2011
Number of Days to Update: 7

Source: Pollution Control Agency
Telephone: 651-296-6300
Last EDR Contact: 02/15/2011
Next Scheduled EDR Contact: 05/30/2011
Data Release Frequency: Varies

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands

Location of open dumps on Indian land.

Date of Government Version: 12/31/1998
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 52

Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 02/08/2011
Next Scheduled EDR Contact: 05/23/2011
Data Release Frequency: Varies

Local Lists of Hazardous waste / Contaminated Sites

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

US CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 12/03/2010
Date Data Arrived at EDR: 12/30/2010
Date Made Active in Reports: 02/16/2011
Number of Days to Update: 48

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 03/08/2011
Next Scheduled EDR Contact: 06/20/2011
Data Release Frequency: Quarterly

SRS: Site Remediation Section Database

The database contains site information for sites monitored by the Site Remediation Section.

Date of Government Version: 01/03/2011
Date Data Arrived at EDR: 01/06/2011
Date Made Active in Reports: 02/02/2011
Number of Days to Update: 27

Source: Pollution Control Agency
Telephone: 651-282-5988
Last EDR Contact: 01/06/2011
Next Scheduled EDR Contact: 12/27/2010
Data Release Frequency: Quarterly

MN DEL PLP: Delisted Permanent List of Priorities

This generally means that either no more cleanup at a site is needed or that no state superfund funding is needed for long term monitoring activities.

Date of Government Version: 06/30/2010
Date Data Arrived at EDR: 08/27/2010
Date Made Active in Reports: 10/19/2010
Number of Days to Update: 53

Source: Pollution Control Agency
Telephone: 651-296-6139
Last EDR Contact: 02/28/2011
Next Scheduled EDR Contact: 05/30/2011
Data Release Frequency: Annually

CDL: Clandestine Drug Labs

This data was passively gathered. That is, the DOH asks law enforcement and other agencies to notify them of Clandestine Drug Labs (CDLs). They do not require reporting of events. Therefore the data represents only a subset of all CDLs. This data has not been verified. The DOH has made no attempt to verify that reported CDLs actually occurred. They have no knowledge if the CDL was involved in cooking or just consisted of chemicals associated with Meth production. The reports they receive are that a suspected CDL was seized.

Date of Government Version: 01/11/2011
Date Data Arrived at EDR: 01/13/2011
Date Made Active in Reports: 02/02/2011
Number of Days to Update: 20

Source: Department of Health
Telephone: 651-215-5800
Last EDR Contact: 04/11/2011
Next Scheduled EDR Contact: 07/25/2011
Data Release Frequency: Varies

US HIST CDL: National Clandestine Laboratory Register

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 09/01/2007
Date Data Arrived at EDR: 11/19/2008
Date Made Active in Reports: 03/30/2009
Number of Days to Update: 131

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 03/23/2009
Next Scheduled EDR Contact: 06/22/2009
Data Release Frequency: No Update Planned

Local Land Records

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

LIENS 2: CERCLA Lien Information

A Federal CERCLA ("Superfund") lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 11/09/2010
Date Data Arrived at EDR: 11/16/2010
Date Made Active in Reports: 02/16/2011
Number of Days to Update: 92

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 01/31/2011
Next Scheduled EDR Contact: 05/16/2011
Data Release Frequency: Varies

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 12/09/2005
Date Data Arrived at EDR: 12/11/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 31

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 02/22/2011
Next Scheduled EDR Contact: 06/06/2011
Data Release Frequency: Varies

LIENS: Environmental Liens

Sites included in the Site Remediation System Database that have Environmental Liens.

Date of Government Version: 07/06/2006
Date Data Arrived at EDR: 07/07/2006
Date Made Active in Reports: 08/14/2006
Number of Days to Update: 38

Source: Pollution Control Agency
Telephone: 602-282-5988
Last EDR Contact: 03/18/2011
Next Scheduled EDR Contact: 06/27/2011
Data Release Frequency: Quarterly

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 12/31/2010
Date Data Arrived at EDR: 01/05/2011
Date Made Active in Reports: 02/25/2011
Number of Days to Update: 51

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 04/05/2011
Next Scheduled EDR Contact: 07/18/2011
Data Release Frequency: Annually

SPILLS: Spills Database

Spills reported to the Pollution Control Agency.

Date of Government Version: 03/18/2011
Date Data Arrived at EDR: 03/23/2011
Date Made Active in Reports: 04/13/2011
Number of Days to Update: 21

Source: Minnesota Pollution Control Agency
Telephone: 651-649-5451
Last EDR Contact: 03/23/2011
Next Scheduled EDR Contact: 05/30/2011
Data Release Frequency: Quarterly

AG SPILLS: Department of Agriculture Spills

This data is a list of pesticide/fertilizer incidents reported to have occurred in Minnesota.

Date of Government Version: 02/15/2011
Date Data Arrived at EDR: 02/16/2011
Date Made Active in Reports: 02/28/2011
Number of Days to Update: 12

Source: Department of Agriculture
Telephone: 651-297-3997
Last EDR Contact: 02/14/2011
Next Scheduled EDR Contact: 05/30/2011
Data Release Frequency: Semi-Annually

Other Ascertainable Records

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

RCRA-NonGen: RCRA - Non Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 02/17/2010
Date Data Arrived at EDR: 02/19/2010
Date Made Active in Reports: 05/17/2010
Number of Days to Update: 87

Source: Environmental Protection Agency
Telephone: 312-886-6186
Last EDR Contact: 04/05/2011
Next Scheduled EDR Contact: 07/18/2011
Data Release Frequency: Varies

DOT OPS: Incident and Accident Data

Department of Transportation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 10/13/2010
Date Data Arrived at EDR: 12/10/2010
Date Made Active in Reports: 02/25/2011
Number of Days to Update: 77

Source: Department of Transportation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 02/11/2011
Next Scheduled EDR Contact: 05/23/2011
Data Release Frequency: Varies

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 11/10/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 62

Source: USGS
Telephone: 703-692-8801
Last EDR Contact: 01/21/2011
Next Scheduled EDR Contact: 05/02/2011
Data Release Frequency: Semi-Annually

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 12/31/2009
Date Data Arrived at EDR: 08/12/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 112

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 03/15/2011
Next Scheduled EDR Contact: 06/27/2011
Data Release Frequency: Varies

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 10/01/2010
Date Data Arrived at EDR: 10/29/2010
Date Made Active in Reports: 01/28/2011
Number of Days to Update: 91

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 04/04/2011
Next Scheduled EDR Contact: 07/18/2011
Data Release Frequency: Varies

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 02/25/2011
Date Data Arrived at EDR: 03/16/2011
Date Made Active in Reports: 03/21/2011
Number of Days to Update: 5

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 03/16/2011
Next Scheduled EDR Contact: 06/27/2011
Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 09/14/2010	Source: Department of Energy
Date Data Arrived at EDR: 10/21/2010	Telephone: 505-845-0011
Date Made Active in Reports: 01/28/2011	Last EDR Contact: 03/04/2011
Number of Days to Update: 99	Next Scheduled EDR Contact: 06/13/2011
	Data Release Frequency: Varies

MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 08/04/2010	Source: Department of Labor, Mine Safety and Health Administration
Date Data Arrived at EDR: 09/09/2010	Telephone: 303-231-5959
Date Made Active in Reports: 12/02/2010	Last EDR Contact: 03/09/2011
Number of Days to Update: 84	Next Scheduled EDR Contact: 06/20/2011
	Data Release Frequency: Semi-Annually

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2009	Source: EPA
Date Data Arrived at EDR: 12/17/2010	Telephone: 202-566-0250
Date Made Active in Reports: 03/21/2011	Last EDR Contact: 03/01/2011
Number of Days to Update: 94	Next Scheduled EDR Contact: 06/13/2011
	Data Release Frequency: Annually

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2006	Source: EPA
Date Data Arrived at EDR: 09/29/2010	Telephone: 202-260-5521
Date Made Active in Reports: 12/02/2010	Last EDR Contact: 03/29/2011
Number of Days to Update: 64	Next Scheduled EDR Contact: 07/11/2011
	Data Release Frequency: Every 4 Years

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009	Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Date Data Arrived at EDR: 04/16/2009	Telephone: 202-566-1667
Date Made Active in Reports: 05/11/2009	Last EDR Contact: 02/28/2011
Number of Days to Update: 25	Next Scheduled EDR Contact: 06/13/2011
	Data Release Frequency: Quarterly

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act) A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009	Source: EPA
Date Data Arrived at EDR: 04/16/2009	Telephone: 202-566-1667
Date Made Active in Reports: 05/11/2009	Last EDR Contact: 02/28/2011
Number of Days to Update: 25	Next Scheduled EDR Contact: 06/13/2011
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/01/2007	Telephone: 202-564-2501
Date Made Active in Reports: 04/10/2007	Last EDR Contact: 12/17/2007
Number of Days to Update: 40	Next Scheduled EDR Contact: 03/17/2008
	Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing

A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/01/2007	Telephone: 202-564-2501
Date Made Active in Reports: 04/10/2007	Last EDR Contact: 12/17/2008
Number of Days to Update: 40	Next Scheduled EDR Contact: 03/17/2008
	Data Release Frequency: No Update Planned

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/2009	Source: EPA
Date Data Arrived at EDR: 12/10/2010	Telephone: 202-564-4203
Date Made Active in Reports: 02/25/2011	Last EDR Contact: 01/31/2011
Number of Days to Update: 77	Next Scheduled EDR Contact: 05/16/2011
	Data Release Frequency: Annually

ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 01/07/2011	Source: Environmental Protection Agency
Date Data Arrived at EDR: 01/21/2011	Telephone: 202-564-5088
Date Made Active in Reports: 03/21/2011	Last EDR Contact: 03/28/2011
Number of Days to Update: 59	Next Scheduled EDR Contact: 07/11/2011
	Data Release Frequency: Quarterly

PADS: PCB Activity Database System

PCB Activity Database. PADS identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 11/01/2010	Source: EPA
Date Data Arrived at EDR: 11/10/2010	Telephone: 202-566-0500
Date Made Active in Reports: 02/16/2011	Last EDR Contact: 01/21/2011
Number of Days to Update: 98	Next Scheduled EDR Contact: 05/02/2011
	Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

MLTS: Material Licensing Tracking System

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 03/18/2010
Date Data Arrived at EDR: 04/06/2010
Date Made Active in Reports: 05/27/2010
Number of Days to Update: 51

Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 03/14/2011
Next Scheduled EDR Contact: 06/27/2011
Data Release Frequency: Quarterly

RADINFO: Radiation Information Database

The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 01/11/2011
Date Data Arrived at EDR: 01/13/2011
Date Made Active in Reports: 02/16/2011
Number of Days to Update: 34

Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 04/13/2011
Next Scheduled EDR Contact: 07/25/2011
Data Release Frequency: Quarterly

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 04/14/2010
Date Data Arrived at EDR: 04/16/2010
Date Made Active in Reports: 05/27/2010
Number of Days to Update: 41

Source: EPA
Telephone: (312) 353-2000
Last EDR Contact: 03/14/2011
Next Scheduled EDR Contact: 06/27/2011
Data Release Frequency: Quarterly

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995
Date Data Arrived at EDR: 07/03/1995
Date Made Active in Reports: 08/07/1995
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-4104
Last EDR Contact: 06/02/2008
Next Scheduled EDR Contact: 09/01/2008
Data Release Frequency: No Update Planned

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2007
Date Data Arrived at EDR: 02/25/2010
Date Made Active in Reports: 05/12/2010
Number of Days to Update: 76

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 03/01/2011
Next Scheduled EDR Contact: 06/13/2011
Data Release Frequency: Biennially

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

LS: List of Sites

The List of Sites includes: Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS), No Further Remedial Action Planned (NFRAP), National Priorities List (NPL), Permanent List of Priorities (PLP), sites delisted from the Permanent List of Priorities (DPLP), Hazardous Waste Permit Unit Project Facilities (HW PERM), List of Permitted Solid Waste Facilities (SW PERM), 1980 Metropolitan Area Waste Disposal Site Inventory (METRO), 1980 Statewide Outstate Dump Inventory (ODI), Voluntary and Investigation Program (VIC), and Closed Landfill Sites Undergoing Cleanup (LCP).

Date of Government Version: 04/22/2009
Date Data Arrived at EDR: 07/14/2009
Date Made Active in Reports: 07/24/2009
Number of Days to Update: 10

Source: Minnesota Pollution Control Agency
Telephone: 651-297-2731
Source: Pollution Control Agency, GIS Section
Telephone: 651-297-2731
Last EDR Contact: 03/28/2011
Next Scheduled EDR Contact: 07/11/2011
Data Release Frequency: Semi-Annually

BULK: Bulk Facilities Database

Facilities that use bulk pesticides and fertilizers

Date of Government Version: 03/01/2011
Date Data Arrived at EDR: 04/11/2011
Date Made Active in Reports: 04/13/2011
Number of Days to Update: 2

Source: Department of Agriculture
Telephone: 651-297-3997
Last EDR Contact: 03/01/2011
Next Scheduled EDR Contact: 05/30/2011
Data Release Frequency: Semi-Annually

MANIFEST: Hazardous Waste Manifest Data

Hazardous waste manifest data.

Date of Government Version: 12/31/2009
Date Data Arrived at EDR: 07/22/2010
Date Made Active in Reports: 08/17/2010
Number of Days to Update: 26

Source: Pollution Control Agency
Telephone: 651-296-7258
Last EDR Contact: 03/21/2011
Next Scheduled EDR Contact: 07/04/2011
Data Release Frequency: Annually

DRYCLEANERS: Registered Drycleaning Facilities

A listing of coin-operated laundries and drycleaning; drycleaning plants, except rug cleaning; and industrial launderers.

Date of Government Version: 03/21/2011
Date Data Arrived at EDR: 03/22/2011
Date Made Active in Reports: 04/07/2011
Number of Days to Update: 16

Source: Pollution Control Agency
Telephone: 651-296-6300
Last EDR Contact: 03/21/2011
Next Scheduled EDR Contact: 07/04/2011
Data Release Frequency: Varies

ENFORCEMENT: Generators Associated with Enforcement Logs

Regulatory Compliance, Hazardous Waste Enforcement Log and Hazardous Waste Permit Unit Project Identification List.

Date of Government Version: 12/20/2010
Date Data Arrived at EDR: 01/14/2011
Date Made Active in Reports: 02/02/2011
Number of Days to Update: 19

Source: Minnesota Pollution Control Agency
Telephone: 651-297-8332
Last EDR Contact: 03/21/2011
Next Scheduled EDR Contact: 07/04/2011
Data Release Frequency: Quarterly

MN HWS PERMIT: Active TSD Facilities

Active TSD Facilities.

Date of Government Version: 09/21/2010
Date Data Arrived at EDR: 09/24/2010
Date Made Active in Reports: 10/19/2010
Number of Days to Update: 25

Source: Minnesota Pollution Control Agency
Telephone: 651-297-8470
Last EDR Contact: 03/21/2011
Next Scheduled EDR Contact: 07/04/2011
Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

AIRS: Permit Contact List

A listing of permitted AIRS facilities.

Date of Government Version: 03/15/2011
Date Data Arrived at EDR: 03/16/2011
Date Made Active in Reports: 04/07/2011
Number of Days to Update: 22

Source: Pollution Control Agency
Telephone: 651-296-7351
Last EDR Contact: 02/28/2011
Next Scheduled EDR Contact: 05/30/2011
Data Release Frequency: Varies

TIER 2: Tier 2 Facility Listing

A listing of facilities which store or manufacture hazardous materials that submit a chemical inventory report.

Date of Government Version: 12/31/2009
Date Data Arrived at EDR: 11/16/2010
Date Made Active in Reports: 11/30/2010
Number of Days to Update: 14

Source: Department of Public Safety
Telephone: 651-296-2233
Last EDR Contact: 02/14/2011
Next Scheduled EDR Contact: 05/30/2011
Data Release Frequency: Varies

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 12/08/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 34

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 01/21/2011
Next Scheduled EDR Contact: 05/02/2011
Data Release Frequency: Semi-Annually

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 08/31/2010
Date Data Arrived at EDR: 09/01/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 92

Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 02/22/2011
Next Scheduled EDR Contact: 05/09/2011
Data Release Frequency: Varies

WIMN: What's In My Neighborhood

Since 2003, the PCA's "What's In My Neighborhood?" database provides information about air quality, hazardous waste, remediation, solid waste, tanks and leaks, and water quality around Minnesota.

Date of Government Version: 01/17/2011
Date Data Arrived at EDR: 01/18/2011
Date Made Active in Reports: 02/24/2011
Number of Days to Update: 37

Source: Pollution Control Agency
Telephone: 651-757-2593
Last EDR Contact: 01/18/2011
Next Scheduled EDR Contact: 05/02/2011
Data Release Frequency: Varies

COAL ASH DOE: Sleam-Electric Plan Operation Data

A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 08/07/2009
Date Made Active in Reports: 10/22/2009
Number of Days to Update: 76

Source: Department of Energy
Telephone: 202-586-8719
Last EDR Contact: 01/18/2011
Next Scheduled EDR Contact: 05/02/2011
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

MDA LIS: Licensing Information System Database Listing

Information provided lists all individuals or companies who hold licenses, certificates and/or permits required by state law and regulated by the Department. Additionally, the LIS lists all companies who must register products with the Department before being used or sold in commercial channels within our state.

Date of Government Version: 03/01/2011
Date Data Arrived at EDR: 04/11/2011
Date Made Active in Reports: 04/13/2011
Number of Days to Update: 2

Source: Department of Agriculture
Telephone: 651-201-6000
Last EDR Contact: 03/01/2011
Next Scheduled EDR Contact: 05/30/2011
Data Release Frequency: Varies

COAL ASH: Coal Ash Disposal Site Listing

A listing of coal ash disposal site locations.

Date of Government Version: 11/16/2010
Date Data Arrived at EDR: 11/19/2010
Date Made Active in Reports: 11/30/2010
Number of Days to Update: 11

Source: Pollution Control Agency
Telephone: 651-757-2740
Last EDR Contact: 02/28/2011
Next Scheduled EDR Contact: 05/30/2011
Data Release Frequency: Varies

FINANCIAL ASSURANCE 2: Financial Assurance Information listing

A listing of financial assurance information for solid waste facilities.

Date of Government Version: 02/01/2011
Date Data Arrived at EDR: 02/15/2011
Date Made Active in Reports: 02/28/2011
Number of Days to Update: 13

Source: Pollution Control Agency
Telephone: 651-296-6066
Last EDR Contact: 02/15/2011
Next Scheduled EDR Contact: 05/30/2011
Data Release Frequency: Quarterly

FINANCIAL ASSURANCE 3: Financial Assurance Information Listing

A listing of financial assurance information for hazardous waste facilities.

Date of Government Version: 09/30/2010
Date Data Arrived at EDR: 10/26/2010
Date Made Active in Reports: 11/30/2010
Number of Days to Update: 35

Source: Pollution Control Agency
Telephone: 651-296-7258
Last EDR Contact: 03/21/2011
Next Scheduled EDR Contact: 07/04/2011
Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List

A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 08/17/2010
Date Data Arrived at EDR: 01/03/2011
Date Made Active in Reports: 03/21/2011
Number of Days to Update: 77

Source: Environmental Protection Agency
Telephone: N/A
Last EDR Contact: 03/18/2011
Next Scheduled EDR Contact: 06/27/2011
Data Release Frequency: Varies

FINANCIAL ASSURANCE 1: Financial Assurance Information Listing

Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 03/18/2011
Date Data Arrived at EDR: 03/23/2011
Date Made Active in Reports: 04/13/2011
Number of Days to Update: 21

Source: Pollution Control Agency
Telephone: 651-297-8220
Last EDR Contact: 03/23/2011
Next Scheduled EDR Contact: 05/30/2011
Data Release Frequency: Quarterly

FEDLAND: Federal and Indian Lands

Federally and Indian administered lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 02/06/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 339

Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 01/21/2011
Next Scheduled EDR Contact: 05/02/2011
Data Release Frequency: N/A

AGVIC: Agricultural Voluntary Investigation & Cleanup Listing

A listing of agricultural voluntary investigation & cleanup site locations.

Date of Government Version: 02/15/2011
Date Data Arrived at EDR: 02/16/2011
Date Made Active in Reports: 02/28/2011
Number of Days to Update: 12

Source: Department of Agriculture
Telephone: 651-201-6400
Last EDR Contact: 02/14/2011
Next Scheduled EDR Contact: 05/30/2011
Data Release Frequency: Quarterly

PCB TRANSFORMER: PCB Transformer Registration Database

The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 01/01/2008
Date Data Arrived at EDR: 02/18/2009
Date Made Active in Reports: 05/29/2009
Number of Days to Update: 100

Source: Environmental Protection Agency
Telephone: 202-566-0517
Last EDR Contact: 02/04/2011
Next Scheduled EDR Contact: 05/16/2011
Data Release Frequency: Varies

EDR PROPRIETARY RECORDS

EDR Proprietary Records

Manufactured Gas Plants: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data

Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 12/31/2007
Date Data Arrived at EDR: 08/26/2009
Date Made Active in Reports: 09/11/2009
Number of Days to Update: 16

Source: Department of Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 02/25/2011
Next Scheduled EDR Contact: 06/06/2011
Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

NJ MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2009
Date Data Arrived at EDR: 07/22/2010
Date Made Active in Reports: 08/26/2010
Number of Days to Update: 35

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 01/21/2011
Next Scheduled EDR Contact: 05/02/2011
Data Release Frequency: Annually

NY MANIFEST: Facility and Manifest Data

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 12/31/2010
Date Data Arrived at EDR: 02/09/2011
Date Made Active in Reports: 03/04/2011
Number of Days to Update: 23

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 02/09/2011
Next Scheduled EDR Contact: 05/23/2011
Data Release Frequency: Annually

PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2008
Date Data Arrived at EDR: 12/01/2009
Date Made Active in Reports: 12/14/2009
Number of Days to Update: 13

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 04/04/2011
Next Scheduled EDR Contact: 07/06/2011
Data Release Frequency: Annually

RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 12/31/2009
Date Data Arrived at EDR: 07/19/2010
Date Made Active in Reports: 08/26/2010
Number of Days to Update: 38

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 02/28/2011
Next Scheduled EDR Contact: 06/13/2011
Data Release Frequency: Annually

WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2009
Date Data Arrived at EDR: 07/06/2010
Date Made Active in Reports: 07/26/2010
Number of Days to Update: 20

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 03/21/2011
Next Scheduled EDR Contact: 07/04/2011
Data Release Frequency: Annually

Oil/Gas Pipelines: This data was obtained by EDR from the USGS in 1994. It is referred to by USGS as GeoData Digital Line Graphs from 1:100,000-Scale Maps. It was extracted from the transportation category including some oil, but primarily gas pipelines.

Electric Power Transmission Line Data

Source: Rextag Strategies Corp.
Telephone: (281) 769-2247

U.S. Electric Transmission and Power Plants Systems Digital GIS Data

Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:

Source: American Hospital Association, Inc.
Telephone: 312-280-5991

The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Medical Centers: Provider of Services Listing

Source: Centers for Medicare & Medicaid Services

Telephone: 410-786-3000

A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes

Source: National Institutes of Health

Telephone: 301-594-6248

Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Child Care Centers

Source: Department of Human Services

Telephone: 651-296-3971

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 2003 & 2009 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 and 2005 from the U.S. Fish and Wildlife Service.

Scanned Digital USGS 7.5' Topographic Map (DRG)

Source: United States Geologic Survey

A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

STREET AND ADDRESS INFORMATION

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GEOCHECK® - PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

BECKER INDUSTRIAL PARK
SHURBURNE AVE/LIBERTY LN SE
BECKER, MN 55308

TARGET PROPERTY COORDINATES

Latitude (North):	45.37990 - 45° 22' 47.6"
Longitude (West):	93.866 - 93° 51' 57.6"
Universal Transverse Mercator:	Zone 15
UTM X (Meters):	432196.5
UTM Y (Meters):	5025301.0
Elevation:	967 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	45093-D7 BECKER, MN
Most Recent Revision:	1991
South Map:	45093-C7 MONTICELLO, MN
Most Recent Revision:	1995
Southwest Map:	45093-C8 SILVER CREEK, MN
Most Recent Revision:	1995
West Map:	45093-D8 CLEAR LAKE, MN
Most Recent Revision:	1995

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principle investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

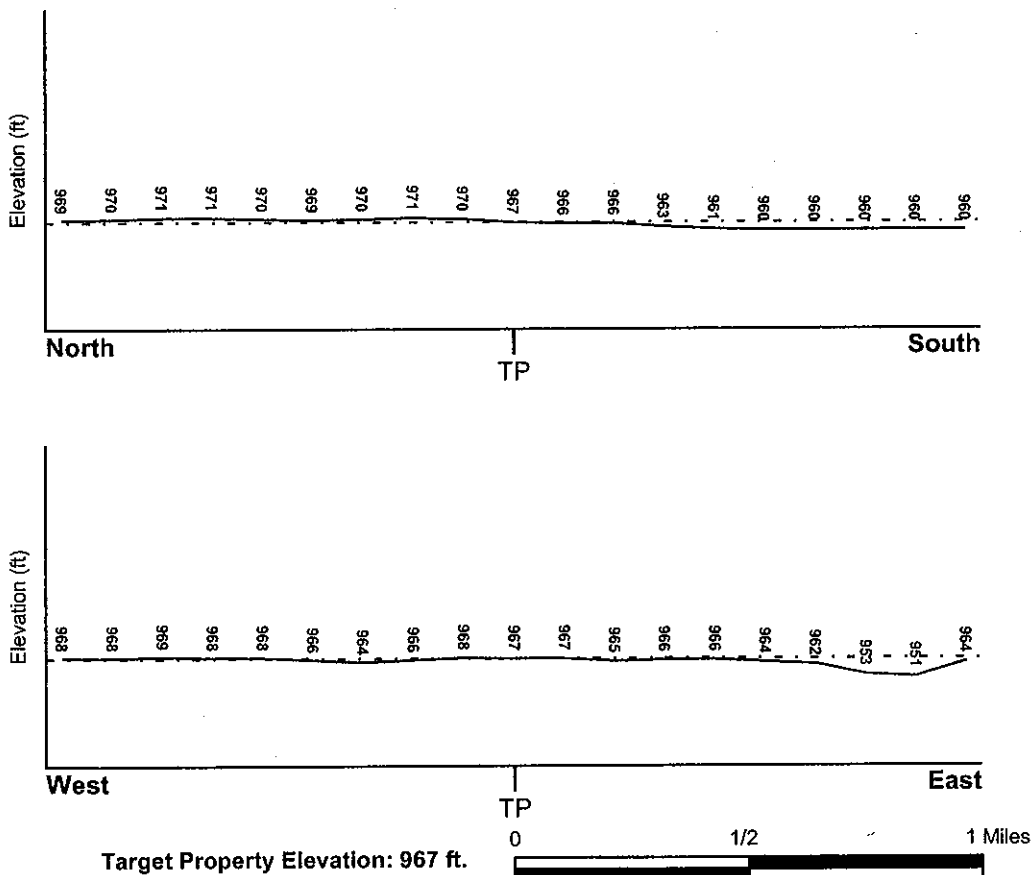
TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General SSE

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

Target Property County
SHERBURNE, MN

FEMA Flood
Electronic Data
YES - refer to the Overview Map and Detail Map

Flood Plain Panel at Target Property: 00000000000 - FEMA Q3 Flood data

Additional Panels in search area: 2704350085C - FEMA Q3 Flood data

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property
BECKER

NWI Electronic
Data Coverage
YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Site-Specific Hydrogeological Data:*

Search Radius: 1.25 miles
Status: Not found

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

<u>MAP ID</u>	<u>LOCATION</u> <u>FROM TP</u>	<u>GENERAL DIRECTION</u> <u>GROUNDWATER FLOW</u>
Not Reported		

* ©1998 Site-specific hydrogeological data gathered by CERCLIS Alerts, Inc., Bainbridge Island, WA. All rights reserved. All of the information and opinions presented are those of the cited EPA report(s), which were completed under a Comprehensive Environmental Response Compensation and Liability Information System (CERCLIS) investigation.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

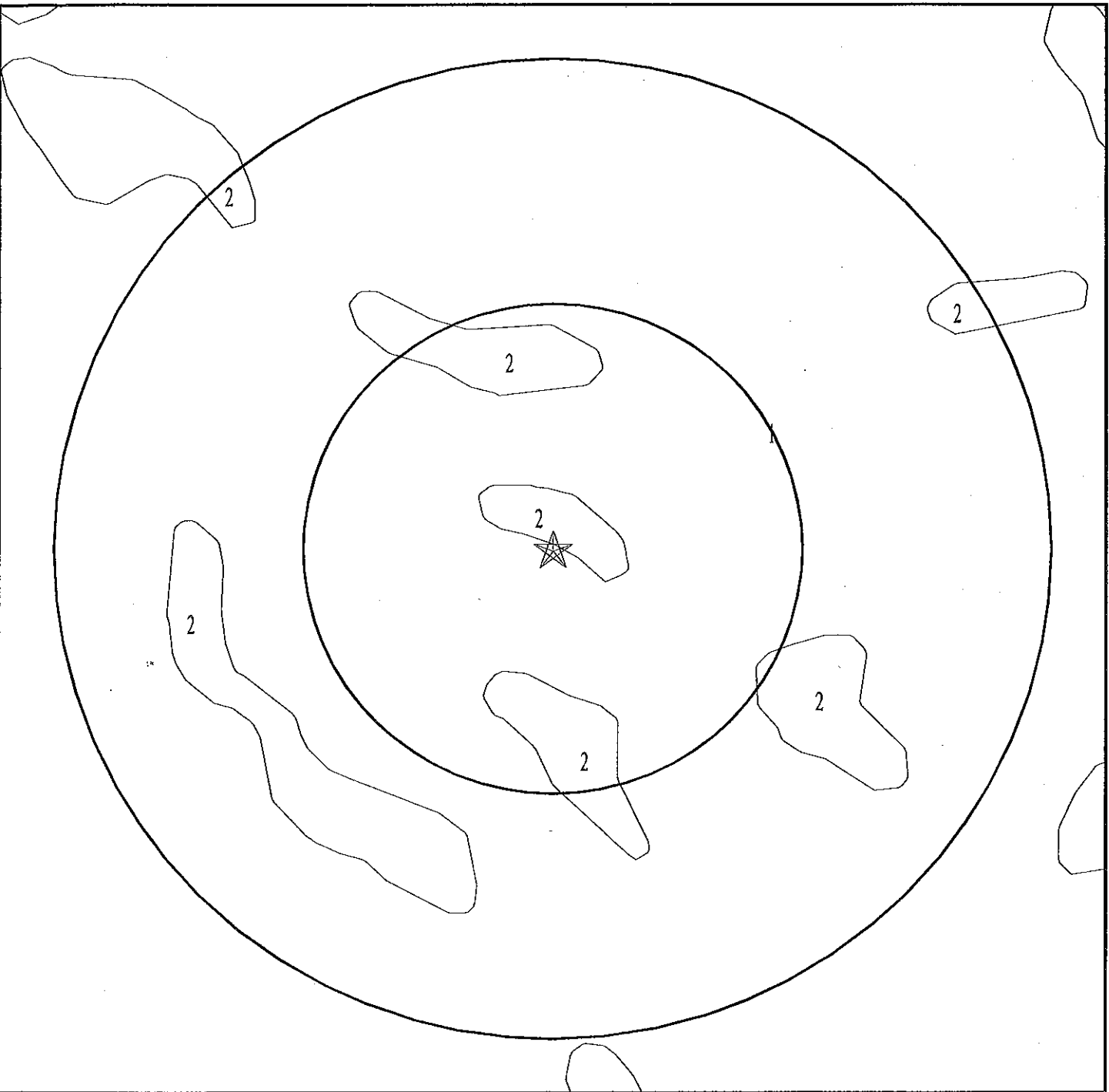
Era:	Precambrian
System:	Precambrian
Series:	X granitic rocks
Code:	Xg (decoded above as Era, System & Series)

GEOLOGIC AGE IDENTIFICATION

Category: Plutonic and Intrusive Rocks

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

SSURGO SOIL MAP - 3044552.2s



- ★ Target Property
- 2 SSURGO Soil
- Water



SITE NAME: Becker Industrial Park
ADDRESS: Shurburne Ave/Liberty Ln SE
Becker MN 55308
LAT/LONG: 45.3799 / 93.8660

CLIENT: Northern Technologies
CONTACT: Tony Francis
INQUIRY #: 3044552.2s
DATE: April 18, 2011 4:23 pm

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. The following information is based on Soil Conservation Service SSURGO data.

Soil Map ID: 1

Soil Component Name: Hubbard

Soil Surface Texture: loamy sand

Hydrologic Group: Class A - High infiltration rates. Soils are deep, well drained to excessively drained sands and gravels.

Soil Drainage Class: Excessively drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	12 inches	loamy sand	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Clean Sands, Well-graded sand.	Max: 141.14 Min: 42.34	Max: 7.8 Min: 5.6
2	12 inches	18 inches	loamy sand	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Clean Sands, Well-graded sand.	Max: 141.14 Min: 42.34	Max: 7.8 Min: 5.6
3	18 inches	79 inches	sand	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Clean Sands, Well-graded sand.	Max: 141.14 Min: 42.34	Max: 7.8 Min: 5.6

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Map ID: 2

Soil Component Name: Hubbard

Soil Surface Texture: loamy sand

Hydrologic Group: Class A - High infiltration rates. Soils are deep, well drained to excessively drained sands and gravels.

Soil Drainage Class: Excessively drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	18 inches	loamy sand	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Clean Sands, Well-graded sand.	Max: 141.14 Min: 42.34	Max: 7.8 Min: 5.6
2	18 inches	22 inches	loamy sand	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Clean Sands, Well-graded sand.	Max: 141.14 Min: 42.34	Max: 7.8 Min: 5.6
3	22 inches	79 inches	sand	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Clean Sands, Well-graded sand.	Max: 141.14 Min: 42.34	Max: 7.8 Min: 5.6

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

WELL SEARCH DISTANCE INFORMATION

<u>DATABASE</u>	<u>SEARCH DISTANCE (miles)</u>
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

FEDERAL USGS WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
1	USGS2008839	1/8 - 1/4 Mile SW
2	USGS2008707	1/4 - 1/2 Mile East
7	USGS2008663	1/2 - 1 Mile NNE
A12	USGS2008671	1/2 - 1 Mile NNE
B13	USGS2008902	1/2 - 1 Mile South
15	USGS2008911	1/2 - 1 Mile SW
D17	USGS2008913	1/2 - 1 Mile SE
21	USGS2008796	1/2 - 1 Mile WSW
E22	USGS2008537	1/2 - 1 Mile North
E23	USGS2008536	1/2 - 1 Mile North
F24	USGS2008670	1/2 - 1 Mile NE
G29	USGS2008630	1/2 - 1 Mile WNW
H31	USGS2008822	1/2 - 1 Mile ESE

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
No PWS System Found		

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

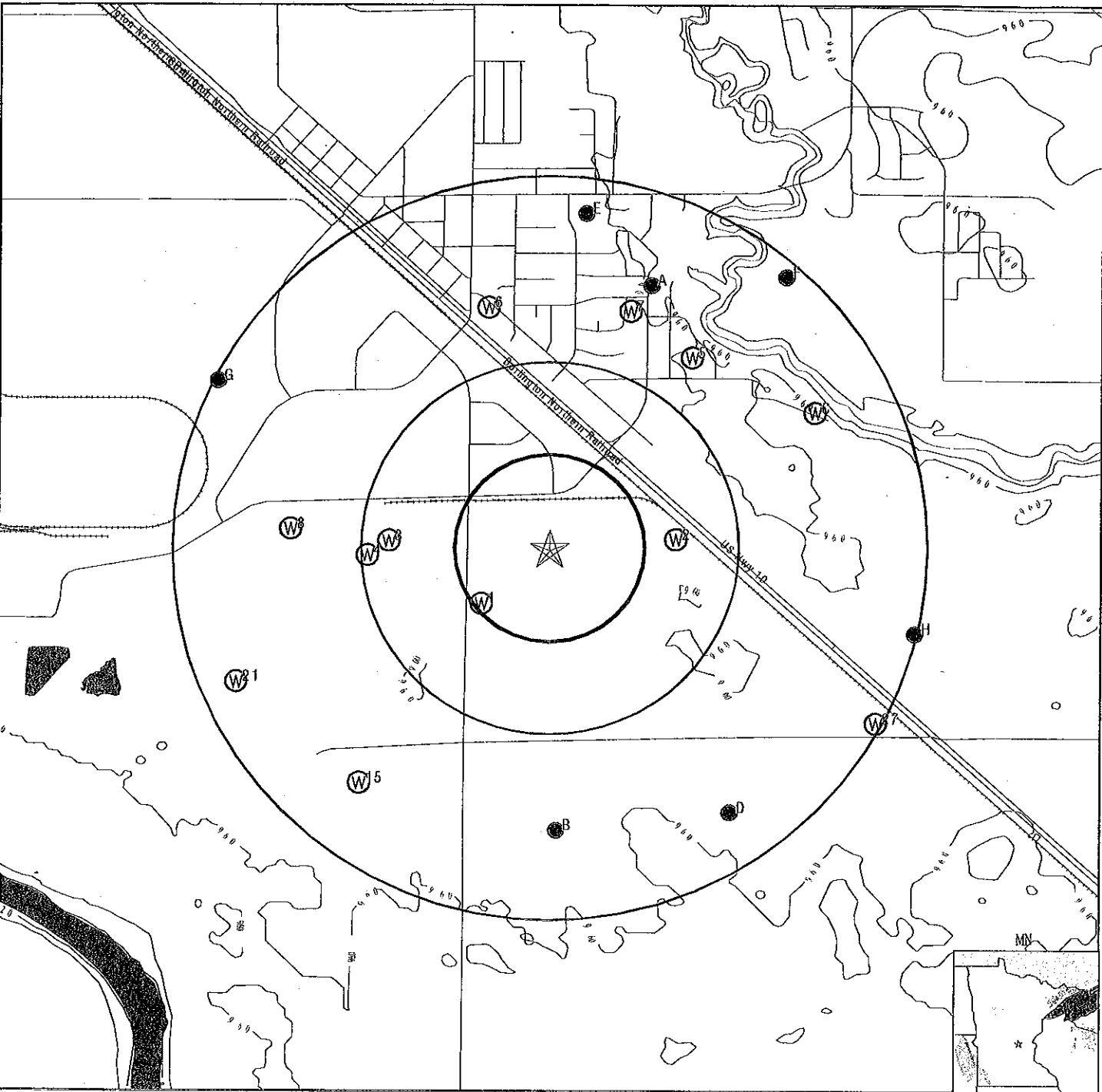
<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
3	MN3000000113103	1/4 - 1/2 Mile West
4	MN3000000113043	1/4 - 1/2 Mile West
5	MN3000000113860	1/2 - 1 Mile NE
6	MN3000000113984	1/2 - 1 Mile NNW
8	MN3000000113157	1/2 - 1 Mile West
A9	MN3000000114046	1/2 - 1 Mile NNE
A10	MN3000000114047	1/2 - 1 Mile NNE
B11	MN3000000112010	1/2 - 1 Mile South
C14	MN3000000113667	1/2 - 1 Mile ENE
C16	MN3000000113626	1/2 - 1 Mile ENE
D18	MN3000000112064	1/2 - 1 Mile SSE
E19	MN3000000114263	1/2 - 1 Mile North
E20	MN3000000114276	1/2 - 1 Mile North

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
F25	MN3000000114068	1/2 - 1 Mile NE
F26	MN3000000114126	1/2 - 1 Mile NE
27	MN3000000112397	1/2 - 1 Mile ESE
G28	MN3000000113788	1/2 - 1 Mile WNW
H30	MN3000000112711	1/2 - 1 Mile ESE

PHYSICAL SETTING SOURCE MAP - 3044552.2s



- County Boundary
- Major Roads
- Contour Lines
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons

- Groundwater Flow Direction
- (GI) Indeterminate Groundwater Flow at Location
- (GV) Groundwater Flow Varies at Location
- (HD) Closest Hydrogeological Data

SITE NAME: Becker Industrial Park
 ADDRESS: Shurburne Ave/Liberty Ln SE
 Becker MN 55308
 LAT/LONG: 45.3799 / 93.8660

CLIENT: Northern Technologies
 CONTACT: Tony Francis
 INQUIRY #: 3044552.2s
 DATE: April 18, 2011 4:23 pm

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

1
SW
1/8 - 1/4 Mile
Lower

FED USGS USGS2008839

Agency cd:	MN040	Site no:	452240093521001
Site name:	122N25W17BCC 01	EDR Site id:	USGS2008839
Latitude:	452240	Dec lat:	45.37774333
Longitude:	0935210	Coor meth:	M
Dec lon:	-93.8696975	Latlong datum:	NAD27
Coor accr:	S	District:	27
Dec latlong datum:	NAD83	County:	171
State:	27	Land net:	SWSWNWS17 T122N R25W
Country:	US	Map scale:	Not Reported
Location map:	Not Reported		
Altitude:	Not Reported		
Altitude method:	Not Reported		
Altitude accuracy:	Not Reported		
Altitude datum:	Not Reported		
Hydrologic:	ClearwaterElk. Minnesota. Area = 1100 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19830816
Date inventoried:	19880417	Mean greenwich time offset:	CST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	107	Hole depth:	107
Source of depth data:	Not Reported		
Project number:	MN-UMIS		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1983-08-16	Ground water data end date:	1983-08-16
Ground water data count:	1		

Ground-water levels, Number of Measurements: 0

2
East
1/4 - 1/2 Mile
Higher

FED USGS USGS2008707

Agency cd:	MN040	Site no:	452249093513201
Site name:	33N28W 5BCC 01	EDR Site id:	USGS2008707
Latitude:	452249	Dec lat:	45.38024333
Longitude:	0935132	Coor meth:	M
Dec lon:	-93.85914139	Latlong datum:	NAD27
Coor accr:	S	District:	27
Dec latlong datum:	NAD83	County:	141
State:	27	Land net:	SWSWNWS 5 T 33N R28W
Country:	US	Map scale:	24000
Location map:	BECKER		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Altitude: Not Reported
 Altitude method: Not Reported
 Altitude accuracy: Not Reported
 Altitude datum: Not Reported
 Hydrologic: ClearwaterElk. Minnesota. Area = 1100 sq.mi.
 Topographic: Not Reported
 Site type: Ground-water other than Spring Date construction: 19870625
 Date inventoried: 19910516 Mean greenwich time offset: CST
 Local standard time flag: Y
 Type of ground water site: Single well, other than collector or Ranney type
 Aquifer Type: Unconfined single aquifer
 Aquifer: GLACIAL SURFICIAL SAND & GRAVEL
 Well depth: 90 Hole depth: 90
 Source of depth data: Not Reported
 Project number: 462714100
 Real time data flag: 0 Daily flow data begin date: 0000-00-00
 Daily flow data end date: 0000-00-00 Daily flow data count: 0
 Peak flow data begin date: 0000-00-00 Peak flow data end date: 0000-00-00
 Peak flow data count: 0 Water quality data begin date: 0000-00-00
 Water quality data end date: 0000-00-00 Water quality data count: 0
 Ground water data begin date: 1987-06-25 Ground water data end date: 1987-06-25
 Ground water data count: 1

Ground-water levels, Number of Measurements: 0

3
 West
 1/4 - 1/2 Mile
 Higher

MN WELLS MN3000000113103

Relateid:	0000547509	County c:	Sherburne
Unique no:	00547509	Wellname:	BECKER LPI NO. 1
Township:	33	Range:	28
Range dir:	W	Section:	6
Subsection:	BDCBDD	Mgsquad c:	Becker
Elevation:	967		
Elev mc:	Calc from DEM (USGS 7.5 min or equiv.)		
Status c:	Active		
Use c:	Industrial	Loc mc:	Information from owner
Loc src:	Minnesota Department of Health	Data src:	Traut M.j. Well Co.
Depth drill:	76		
Depth comp:	75		
Date drill:	19940620		
Case diam:	16		
Case depth:	60		
Grout:	Well known to be not grouted	Pollut dst:	0
Pollut dir:	Not Reported	Pollut typ:	Not Reported
Strat date:	19950220		
Strat upd:	20040614		
Strat src:	Minnesota Geological Survey	Strat geol:	John Mossler
Strat mc:	Geologic study 1:24k to 1:100k		
Depth2bdrk:	66		
First bdrk:	PCCR	Last strat:	Precambrian Crystalline Roc
Ohtopunit:	QHUB	Ohbotunit:	PCCR
Aquifer:	MTPL	Cuttings:	Not Reported
Core:	Not Reported	Bhgeophys:	Not Reported
Geochem:	Not Reported	Waterchem:	Not Reported
Obwell:	Not Reported	Swl:	Y
Igwis:	Not Reported	Input src:	Minnesota Geological Survey
Unused:	N		
Entry date:	19950220		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Updt date: 20041230
Geoc type: WW
Geoc src: MDH
Ulme: 431514
Utmn: 5025558
Geoc entry: 210020
Geoc date: 20010810
Geocupd en: 210020
Geocupd da: 20040614
Rcvd date: 0
Well label: 547509
Swldate: 19940620
Swlavgmeas: 28
Swlavgelev: 939
Site id: MN3000000113103

Gcm code: DS1
Geoc prg: WHP

Swlcount: 1

Address Information:

Relateid: 0000547509
Addtype c: Both
Street: LIBERTY
Road dir: Not Reported
State: MN
Entry date: 19950220
Updt date: 19950220
Other: Not Reported

Name: BECKER LPI NO. 1
House no: 13500
Road type: Road
City: BECKER
Zipcode: 55308

Construction 1 Information:

Relateid: 0000547509
Drill fluid: Not Reported
Hffrom: Not Reported
Hfto: Not Reported
Case mat: Steel (black or low carbon)
Case top: 0
Drive shoe: Not Reported
Screen: Y
Ohtopfeet: Not Reported
Ohbotfeet: Not Reported
Screen mfg: JOHNSON
Pltss mfg: MAASS
Bsmt offst: Not Reported
Csg at grd: Not Reported
Disinfectd: Not Reported
Pump date: Not Reported
Pump mfg: Not Reported
Pump hp: 0
Pump volts: Not Reported
Dropp len: Not Reported
Dropp mat: Not Reported
Pump cpcty: Not Reported
Pump type: Not Reported
Drllr name: TRAUT, T.
Entry date: 19950220
Updt date: 20021216

Drill meth: Cable Tool
Hydrofrac: Not Reported

Case joint: W
Case type: Single casing

Screen typ: stainless steel
Pltss mdl: Not Reported
Csg top ok: Y
Plstc prot: Not Reported
Pump inst: N

Pump model: Not Reported

Variance: Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Construction 2 Information:

Relateid:	0000547509	Constype:	C
From depth:	0		
To depth:	60		
Diameter:	16		
Slot:	Not Reported		
Length:	Not Reported		
Material:	Not Reported		
Amount:	Not Reported		
Units:	Not Reported		

Historic Water Level Information:

Relateid:	0000547509	Meas type:	Well installation
Meas date:	19940620		
Meas time:	Not Reported		
M pt code:	Land surface		
Meas point:	0		
Measuremt:	28		
Meas elev:	939		
Data src:	Traut M.j. Well Co.	Program:	CWI
Entry date:	19950220		
Updt date:	0		

Pump Test Information:

Relateid:	0000547509
Pumptestid:	1
Test date:	19940620
Start meas:	28
Flow rate:	260
Duration:	4
Pump meas:	59

4
West
1/4 - 1/2 Mile
Higher

MN WELLS MN3000000113043

Relateid:	0000547510	County c:	Sherburne
Unique no:	00547510	Wellname:	BECKER LPI NO.2
Township:	33	Range:	28
Range dir:	W	Section:	6
Subsection:	BDCCCB	Mgsquad c:	Clear Lake
Elevation:	969		
Elev mc:	Calc from DEM (USGS 7.5 min or equiv.)		
Status c:	Active		
Use c:	Industrial	Loc mc:	Information from owner
Loc src:	Minnesota Department of Health	Data src:	Traut M.j. Well Co.
Depth drill:	77		
Depth comp:	77		
Date drill:	19940610		
Case diam:	16		
Case depth:	62		
Grout:	Well known to be not grouted	Pollut dst:	0
Pollut dir:	Not Reported	Pollut typ:	Not Reported
Strat date:	19950220		
Strat upd:	20040614		
Strat src:	Minnesota Geological Survey	Strat geol:	Bruce Bloomgren
Strat mc:	Geologic study 1:24k to 1:100k		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Depth2bdrk:	0	Last strat:	Sand & larger
First bdrk:	Not Reported	Ohbotunit:	QHUG
Ohtopunit:	QHUG	Cuttings:	Not Reported
Aquifer:	QBAA	Bhgeophys:	Not Reported
Core:	Not Reported	Waterchem:	Not Reported
Geochem:	Not Reported	Swl:	Y
Obwell:	Not Reported	Input src:	Minnesota Geological Survey
Igwis:	Not Reported		
Unused:	N		
Entry date:	19950220		
Updt date:	20041230		
Geoc type:	WW	Gcm code:	DS1
Geoc src:	MDH	Geoc prg:	WHP
Utime:	431422		
Utmn:	5025496		
Geoc entry:	210020		
Geoc date:	20010810		
Geocupd en:	210020		
Geocupd da:	20040614		
Rcvd date:	0		
Well label:	547510	Swlcount:	1
Swldate:	19940610		
Swlavmeas:	27		
Swlavgelev:	942		
Site id:	MN3000000113043		

Address Information:

Relateid:	0000547510	Name:	BECKER LPI NO.2
Addtype c:	Both	House no:	13500
Street:	LIBERTY	Road type:	Road
Road dir:	Not Reported	City:	BECKER
State:	MN	Zipcode:	55308
Entry date:	19950220		
Updt date:	19950220		
Other:	Not Reported		

Construction 1 Information:

Relateid:	0000547510	Drill meth:	Cable Tool
Drill fluid:	Not Reported	Hydrofrac:	Not Reported
Hffrom:	Not Reported		
Hfto:	Not Reported		
Case mat:	Steel (black or low carbon)	Case joint:	W
Case top:	0		
Drive shoe:	Y	Case type:	Single casing
Screen:	Y		
Ohtopfeet:	Not Reported		
Ohbotfeet:	Not Reported		
Screen mfg:	JOHNSON HI QUE	Screen typ:	stainless steel
Pilss mfg:	MAASS	Pilss mdl:	Not Reported
Bsmt offst:	Not Reported	Csg top ok:	Y
Csg at grd:	Not Reported	Plstc prot:	Not Reported
Disinfectd:	Not Reported	Pump inst:	Y
Pump date:	19940100		
Pump mfg:	GOULDS	Pump model:	10 IHC
Pump hp:	15		
Pump volts:	480		
Dropp len:	50		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Dropp mat:	Not Reported		
Pump cpcty:	Not Reported		
Pump type:	Submersible	Variance:	Not Reported
Drllr name:	TRAUT, T.		
Entry date:	19950220		
Updt date:	20010817		

Construction 2 Information:

Relateid:	0000547510	Constype:	C
From depth:	0		
To depth:	62		
Diameter:	16		
Slot:	Not Reported		
Length:	Not Reported		
Material:	Not Reported		
Amount:	Not Reported		
Units:	Not Reported		

Historic Water Level Information:

Relateid:	0000547510	Meas type:	Well installation
Meas date:	19940610		
Meas time:	Not Reported		
M pt code:	Land surface		
Meas point:	0		
Measuremt:	27		
Meas elev:	942		
Data src:	Traut M.j. Well Co.	Program:	CWI
Entry date:	19950220		
Updt date:	20011026		

Pump Test Information:

Relateid:	0000547510
Pumptestid:	1
Test date:	19940610
Start meas:	27
Flow rate:	440
Duration:	4
Pump meas:	56

5
NE
1/2 - 1 Mile
Lower

MN WELLS MN3000000113860

Relateid:	0000757533	County c:	Sherburne
Unique no:	00757533	Wellname:	BECKER 6
Township:	34	Range:	28
Range dir:	W	Section:	32
Subsection:	CCCDDBA	Mgsquad c:	Becker
Elevation:	953		
Elev mc:	7.5 minute topographic map (+/- 5 feet)		
Status c:	Active		
Use c:	Community Supply (municipal)	Loc mc:	Not Reported
Loc src:	Minnesota Department of Health	Data src:	2157
Depth drill:	63		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Depth comp:	55		
Date drill:	20080902		
Case diam:	18		
Case depth:	43		
Grout:	Well grouted, type unknown	Pollut dst:	0
Pollut dir:	Not Reported	Pollut typ:	Not Reported
Strat date:	0		
Strat upd:	20090630		
Strat src:	Minnesota Geological Survey	Strat geol:	John Mossler
Strat mc:	Geologic study 1:24k to 1:100k		
Depth2bdrk:	63		
First bdrk:	PERF	Last strat:	Reformatory Granite
Ohtopunit:	QLUB	Ohbotunit:	QLUU
Aquifer:	QBAA	Cuttings:	Not Reported
Core:	Not Reported	Bhgeophys:	Not Reported
Geochem:	Not Reported	Waterchem:	Not Reported
Obwell:	Not Reported	Swl:	Y
Igwis:	Not Reported	Input src:	Minnesota Department of Health
Unused:	N		
Entry date:	20080807		
Updt date:	20090630		
Geoc type:	WW	Gcm code:	G6O
Geoc src:	MDH	Geoc prg:	WM
Utme:	432811		
Utmn:	5026337		
Geoc entry:	2123000		
Geoc date:	20080701		
Geocupd en:	0		
Geocupd da:	0		
Rcvd date:	0		
Well label:	757533	Swlcount:	1
Swldate:	20080715		
Swlavgmeas:	19.1000003814697		
Swlavglev:	934		
Site id:	MN3000000113860		

Address Information:			
Relateid:	0000757533	Name:	BECKER 6
Addtype c:	Well address	House no:	14818
Street:	RIVER	Road type:	Street
Road dir:	Not Reported	City:	BECKER
State:	MN	Zipcode:	55308
Entry date:	Not Reported		
Updt date:	20090630		
Other:	Not Reported		

Construction 1 Information:			
Relateid:	0000757533	Drill meth:	Non-specified Rotary
Drill fluid:	Bentonite	Hydrofrac:	Not Reported
Hffrom:	Not Reported		
Hfto:	Not Reported		
Case mat:	Steel (black or low carbon)	Case joint:	W
Case top:	Not Reported		
Drive shoe:	N	Case type:	Single casing
Screen:	Y		
Ohtopfeet:	Not Reported		
Ohbotfeet:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Screen mfg:	JOHNSON	Screen typ:	stainless steel
Ptlss mfg:	MONITOR	Ptlss mdl:	Not Reported
Bsmt offst:	Not Reported	Csg top ok:	Not Reported
Csg at grd:	Not Reported	Plstc prot:	Not Reported
Disinfectd:	Y	Pump inst:	Not Reported
Pump date:	20080728		
Pump mfg:	GOULDS	Pump model:	7CHC-2
Pump hp:	30		
Pump volts:	230		
Dropp len:	24		
Dropp mat:	Not Reported		
Pump cpcty:	525		
Pump type:	Submersible	Variance:	N
Drllr name:	THEISEN, R.		
Entry date:	20090618		
Updt date:	Not Reported		

Construction 2 Information:

Relateid:	0000757533	Constype:	C
From depth:	Not Reported		
To depth:	43		
Diameter:	18		
Slot:	Not Reported		
Length:	Not Reported		
Material:	Not Reported		
Amount:	Not Reported		
Units:	Not Reported		

Historic Water Level Information:

Relateid:	0000757533	Meas type:	Well installation
Meas date:	20080715		
Meas time:	Not Reported		
M pt code:	Land surface		
Meas point:	Not Reported		
Measuremt:	19.1		
Meas elev:	934		
Data src:	2157	Program:	WELLLOG
Entry date:	20090618		
Updt date:	20090618		

Id Information:

Relateid:	0000757533	Identifier:	77-3605
Id type:	MNDNR	Id prog:	PA

Pump Test Information:

Relateid:	0000757533
Pumptestid:	1
Test date:	20080715
Start meas:	19.13
Flow rate:	525
Duration:	12
Pump meas:	32.32

6
NNW
1/2 - 1 Mile
Higher

MN WELLS MN3000000113984

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Relateid:	0000723518	County c:	Sherburne
Unique no:	00723518	Wellname:	SHERBURNE STATE BANK
Township:	34	Range:	28
Range dir:	W	Section:	31
Subsection:	DCBBDD	Mgsquad c:	Becker
Elevation:	970		
Elev mc:	7.5 minute topographic map (+/- 5 feet)		
Status c:	Active		
Use c:	Irrigation	Loc mc:	Not Reported
Loc src:	Minnesota Department of Health	Data src:	1442
Depth drill:	48		
Depth comp:	48		
Date drill:	20081126		
Case diam:	4		
Case depth:	40		
Grout:	Well grouted, type unknown	Pollut dst:	0
Pollut dir:	Not Reported	Pollut typ:	Not Reported
Strat date:	0		
Strat upd:	20091207		
Strat src:	Minnesota Geological Survey	Strat geol:	Bruce Bloomgren
Strat mc:	Geologic study 1:24k to 1:100k		
Depth2bdrk:	0		
First bdrk:	Not Reported	Last strat:	Sand & larger
Ohtopunit:	QHUU	Ohbotunit:	QHUU
Aquifer:	QBAA	Cuttings:	Not Reported
Core:	Not Reported	Bhgeophys:	Not Reported
Geochem:	Not Reported	Waterchem:	Not Reported
Obwell:	Not Reported	Swl:	Y
Igwis:	Not Reported	Input src:	Minnesota Department of Health
Unused:	N		
Entry date:	20081217		
Updt date:	20091207		
Geoc type:	WW	Gcm code:	G6O
Geoc src:	MDH	Geoc prg:	WM
Utme:	431946		
Utmn:	5026562		
Geoc entry:	2123000		
Geoc date:	20081126		
Geocupd en:	0		
Geocupd da:	0		
Rcvd date:	0		
Well label:	723518	Swlcount:	1
Swldate:	20081126		
Swlavmeas:	25		
Swlavgelev:	945		
Site id:	MN3000000113984		

Address Information:

Relateid:	0000723518	Name:	SHERBURNE STATE BANK/JOE DANIELSON
Addtype c:	Both	House no:	12500
Street:	SHERBURNE	Road type:	Avenue
Road dir:	Not Reported	City:	BECKER
State:	MN	Zipcode:	55308
Entry date:	20091023		
Updt date:	20091207		
Other:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Construction 1 Information:

Relateid:	0000723518	Drill meth:	Non-specified Rotary
Drill fluid:	Not Reported	Hydrofrac:	Not Reported
Hffrom:	Not Reported		
Hfto:	Not Reported		
Case mat:	Plastic	Case joint:	Not Reported
Case top:	Not Reported		
Drive shoe:	Not Reported	Case type:	Single casing
Screen:	Y		
Ohftopfeet:	Not Reported		
Ohfbotfeet:	Not Reported		
Screen mfg:	JOHNSON	Screen typ:	stainless steel
Ptlss mfg:	Not Reported	Ptlss mdl:	Not Reported
Bsmt offst:	Not Reported	Csg top ok:	Not Reported
Csg at grd:	Not Reported	Plstc prot:	Not Reported
Disinfectd:	Not Reported	Pump inst:	Not Reported
Pump date:	Not Reported		
Pump mfg:	Not Reported	Pump model:	Not Reported
Pump hp:	Not Reported		
Pump volts:	Not Reported		
Drpp len:	Not Reported		
Drpp mat:	Not Reported		
Pump cpcty:	Not Reported		
Pump type:	Not Reported	Variance:	N
Drllr name:	SEGLER, G.		
Entry date:	20091023		
Updt date:	Not Reported		

Construction 2 Information:

Relateid:	0000723518	Constype:	C
From depth:	Not Reported		
To depth:	40		
Diameter:	4		
Slot:	Not Reported		
Length:	Not Reported		
Material:	Not Reported		
Amount:	Not Reported		
Units:	Not Reported		

Historic Water Level Information:

Relateid:	0000723518	Meas type:	Well installation
Meas date:	20081126		
Meas time:	Not Reported		
M pt code:	Land surface		
Meas point:	Not Reported		
Measuremt:	25		
Meas elev:	945		
Data src:	1442	Program:	WELLLOG
Entry date:	20091023		
Updt date:	20091207		

Pump Test Information:

Relateid:	0000723518
Pumptestid:	1
Test date:	20081126
Start meas:	25
Flow rate:	22
Duration:	1
Pump meas:	40

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

7
NNE
1/2 - 1 Mile
Higher
FED USGS USGS2008663

Agency cd:	MN040	Site no:	452321093514101
Site name:	34N28W31DDA 01	EDR Site id:	USGS2008663
Latitude:	452321	Dec lat:	45.38913222
Longitude:	0935141	Coor meth:	M
Dec lon:	-93.86164167	Laflong datum:	NAD27
Coor acsr:	S	District:	27
Dec latlong datum:	NAD83	County:	141
State:	27	Land net:	NESESES31 T 34N R28W
Country:	US	Map scale:	Not Reported
Location map:	Not Reported		
Altitude:	Not Reported		
Altitude method:	Not Reported		
Altitude accuracy:	Not Reported		
Altitude datum:	Not Reported		
Hydrologic:	ClearwaterElk. Minnesota. Area = 1100 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19930813
Date inventoried:	19931016	Mean greenwich time offset:	CST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	60	Hole depth:	60
Source of depth data:	Not Reported		
Project number:	462714100		
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported
Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

8
West
1/2 - 1 Mile
Higher

MN WELLS MN3000000113157

Relateid:	0000554584	County c:	Sherburne
Unique no:	00554584	Wellname:	BECKER LPI NO. 4
Township:	33	Range:	28
Range dir:	W	Section:	6
Subsection:	BCCBAD	Mgsquad c:	Clear Lake
Elevation:	968		
Elev mc:	Calc from DEM (USGS 7.5 min or equiv.)		
Status c:	Active		
Use c:	Industrial	Loc mc:	Information from owner
Loc src:	Minnesota Department of Health	Data src:	51536
Depth drill:	90		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Depth comp:	90		
Date drill:	19941020		
Case diam:	12		
Case depth:	60		
Grout:	Well grouted, type unknown	Pollut dst:	0
Pollut dir:	Not Reported	Pollut typ:	Not Reported
Strat date:	19950220		
Strat upd:	20040614		
Strat src:	Minnesota Geological Survey	Strat geol:	John Mossler
Strat mc:	Geologic study 1:24k to 1:100k		
Depth2bdrk:	90		
First bdrk:	PCCR	Last strat:	Precambrian Crystalline Roc
Ohtopunit:	QHUB	Ohbotunit:	QHUB
Aquifer:	QBAA	Cuttings:	Not Reported
Core:	Not Reported	Bhgeophys:	Not Reported
Geochem:	Not Reported	Waterchem:	Not Reported
Obwell:	Not Reported	Swl:	Y
Igwis:	Not Reported	Input src:	Minnesota Geological Survey
Unused:	Y		
Entry date:	19950220		
Updt date:	20041230		
Geoc type:	WW	Gcm code:	DS1
Geoc src:	MDH	Geoc prg:	WHP
Utme:	431095		
Utmn:	5025613		
Geoc entry:	210020		
Geoc date:	20010810		
Geocupd en:	210020		
Geocupd da:	20040614		
Rcvd date:	0		
Well label:	554584	Swlcount:	1
Swldate:	19941020		
Swlavmeas:	31		
Swlavgelev:	937		
Site id:	MN3000000113157		
Address Information:			
Relateid:	0000554584	Name:	BECKER LPI NO. 4
Addtype c:	Both	House no:	135000
Street:	LIBERTY	Road type:	Road
Road dir:	Not Reported	City:	BECKER
State:	MN	Zipcode:	55308
Entry date:	19950220		
Updt date:	19950220		
Other:	Not Reported		
Construction 1 Information:			
Relateid:	0000554584	Drill meth:	Non-specified Rotary
Drill fluid:	Bentonite	Hydrofrac:	Not Reported
Hffrom:	Not Reported		
Hfto:	Not Reported		
Case mat:	Steel (black or low carbon)	Case joint:	Not Reported
Case top:	0		
Drive shoe:	N	Case type:	Single casing
Screen:	Y		
Ohtopfeet:	Not Reported		
Ohbotfeet:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Screen mfg:	JOHNSON	Screen typ:	stainless steel
Plss mfg:	Not Reported	Plss mdl:	Not Reported
Bsmt offst:	Not Reported	Csg top ok:	U
Csg at grd:	Not Reported	Pistc prot:	Not Reported
Disinfectd:	Not Reported	Pump inst:	Y
Pump date:	Not Reported		
Pump mfg:	GOULDS	Pump model:	10RJLC
Pump hp:	50		
Pump volts:	480		
Dropp len:	50		
Dropp mat:	Not Reported		
Pump cpcty:	475		
Pump type:	Submersible	Variance:	0
Drllr name:	TRAUT, T.		
Entry date:	19950220		
Updt date:	20010817		

Construction 2 Information:

Relateid:	0000554584	Constype:	C
From depth:	0		
To depth:	60		
Diameter:	12		
Slot:	Not Reported		
Length:	Not Reported		
Material:	Not Reported		
Amount:	Not Reported		
Units:	Not Reported		

Historic Water Level Information:

Relateid:	0000554584	Meas type:	Well installation
Meas date:	19941020		
Meas time:	Not Reported		
M pt code:	Land surface		
Meas point:	0		
Measuremt:	31		
Meas elev:	937		
Data src:	Traut M.j. Well Co.	Program:	CWI
Entry date:	19950220		
Updt date:	20011026		

Pump Test Information:

Relateid:	0000554584
Pumptestid:	1
Test date:	19941020
Start meas:	31
Flow rate:	500
Duration:	6.5
Pump meas:	90

A9
NNE
1/2 - 1 Mile
Lower

MN WELLS MN3000000114046

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Relateid:	0000457837	County c:	Sherburne
Unique no:	00457837	Wellname:	EDLING BROS.
Township:	34	Range:	28
Range dir:	W	Section:	31
Subsection:	DDAAAB	Mgsquad c:	Becker
Elevation:	950		
Elev mc:	7.5 minute topographic map (+/- 5 feet)		
Status c:	Active		
Use c:	Domestic	Loc mc:	Information from owner
Loc src:	Minnesota Geological Survey	Data src:	Mc Alpine Brothers
Depth drll:	61		
Depth comp:	61		
Date drll:	19810520		
Case diam:	16		
Case depth:	41		
Grout:	Well known to be not grouted	Pollut dst:	0
Pollut dir:	Not Reported	Pollut typ:	Not Reported
Strat date:	19940203		
Strat upd:	20090630		
Strat src:	Minnesota Geological Survey	Strat geol:	Emily Bauer
Strat mc:	Geologic study 1:24k to 1:100k		
Depth2bdrk:	0		
First bdrk:	Not Reported	Last strat:	Clay
Ohtopunit:	QGUG	Ohbotunit:	QGUG
Aquifer:	QWTA	Cuttings:	Not Reported
Core:	Not Reported	Bhgeophys:	Not Reported
Geochem:	Not Reported	Waterchem:	Not Reported
Obwell:	Not Reported	Swl:	Y
Igwis:	Not Reported	Input src:	Minnesota Geological Survey
Unused:	N		
Entry date:	19910523		
Updt date:	20090630		
Geoc type:	WW	Gcm code:	DS1
Geoc src:	MGS	Geoc prg:	CWI
Utme:	432640		
Utmn:	5026646		
Geoc entry:	619008		
Geoc date:	20001030		
Geocupd en:	619008		
Geocupd da:	20090630		
Rcvd date:	0		
Well label:	457837	Swlcount:	1
Swldate:	19810520		
Swlavgmeas:	9		
Swlavgelev:	941		
Site id:	MN3000000114046		
Address Information:			
Relateid:	0000457837	Name:	EDLING BROS.
Addtype c:	Contact address	House no:	589
Street:	CENTRAL	Road type:	Avenue
Road dir:	East	City:	BECKER
State:	MN	Zipcode:	55308
Entry date:	19910523		
Updt date:	20090630		
Other:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Address Information:

Relateid: 0000457837
Addtype c: Contact address
Street: P.O. BOX 250
Road dir: Not Reported
State: MN
Entry date: 20090630
Updt date: Not Reported
Other: Not Reported

Name: CITY OF BECKER
House no: Not Reported
Road type: Not Reported
City: BECKER
Zipcode: 55308

Construction 1 Information:

Relateid: 0000457837
Drill fluid: Not Reported
Hffrom: Not Reported
Hfto: Not Reported
Case mat: Steel (black or low carbon)
Case top: 1
Drive shoe: Y
Screen: Y
Ohtopfeet: Not Reported
Ohbotfeet: Not Reported
Screen mfg: JOHNSON
Pltss mfg: Not Reported
Bsmt offst: Not Reported
Csg at grd: Not Reported
Disinfectd: Not Reported
Pump date: 19810618
Pump mfg: WESTERN LAND ROLLER
Pump hp: 0
Pump volts: Not Reported
Dropp len: 40
Dropp mat: Not Reported
Pump cpcty: Not Reported
Pump type: Turbine
Drllr name: MCALPINE, K
Entry date: 19910523
Updt date: 20020613

Drill meth: Cable Tool
Hydrofrac: Not Reported

Case joint: W
Case type: Single casing

Screen typ: stainless steel
Pltss mdl: Not Reported
Csg top ok: Y
Plstc prot: Not Reported
Pump inst: Y

Pump model: 10-C-H:7

Variance: Not Reported

Construction 2 Information:

Relateid: 0000457837
From depth: 0
To depth: 41
Diameter: 16
Slot: Not Reported
Length: Not Reported
Material: Not Reported
Amount: 62.58
Units: Not Reported

Constype: C

Historic Water Level Information:

Relateid: 0000457837
Meas date: 19810520
Meas time: Not Reported
M pt code: Land surface
Meas point: 0
Measuremt: 9
Meas elev: 941
Data src: Mc Alpine Brothers
Entry date: 19910523
Updt date: 0

Meas type: Well installation

Program: CWI

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Id Information:

Relateid: 0000457837
Id type: MNDNR

Identifier: 82-3001
Id prog: PA

Id Information:

Relateid: 0000457837
Id type: MDH

Identifier: 1710008S05
Id prog: PWS

Pump Test Information:

Relateid: 0000457837
Pumptestid: 1
Test date: 19710520
Start meas: 9
Flow rate: 500
Duration: 1
Pump meas: 18

Pump Test Information:

Relateid: 0000457837
Pumptestid: 2
Test date: 19710520
Start meas: 9
Flow rate: 750
Duration: 1
Pump meas: 21

Remarks Information:

Relateid: 0000457837
Seq no: 1
Remarks: SAME AS UNIQUE NO. 232390 WHICH IS BENTON NO.4.

A10
NNE
1/2 - 1 Mile
Lower

MN WELLS MN3000000114047

Relateid:	0000232390	County c:	Sherburne
Unique no:	00232390	Wellname:	BECKER 4
Township:	34	Range:	28
Range dir:	W	Section:	31
Subsection:	DDAAAB	Mgsquad c:	Becker
Elevation:	950		
Elev mc:	7.5 minute topographic map (+/- 5 feet)		
Status c:	Active		
Use c:	Community Supply (municipal)	Loc mc:	Information from owner
Loc src:	Minnesota Geological Survey	Data src:	Mc Alpine Brothers
Depth drill:	61		
Depth comp:	61		
Date drill:	19810520		
Case diam:	16		
Case depth:	41		
Grout:	Well known to be not grouted	Pollut dst:	0
Pollut dir:	Not Reported	Pollut typ:	Not Reported
Strat date:	19940203		
Strat upd:	19940203		
Strat src:	Minnesota Geological Survey	Strat geol:	Emily Bauer
Strat mc:	Geologic study 1:24k to 1:100k		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Depth2bdrk:	0	Last strat:	Clay
First bdrk:	Not Reported	Ohbotunit:	QGUG
Ohtopunit:	QGUG	Cuttings:	Not Reported
Aquifer:	QWTA	Bhgeophys:	Not Reported
Core:	Not Reported	Waterchem:	Not Reported
Geochem:	Not Reported	Swl:	Y
Obwell:	Not Reported	Input src:	Minnesota Geological Survey
Igwis:	Not Reported		
Unused:	Not Reported		
Entry date:	19901201		
Updt date:	20090630		
Geoc type:	WW	Gcm code:	G6O
Geoc src:	MDH	Geoc prg:	WHP
Utime:	432640		
Utmn:	5026646		
Geoc entry:	210006		
Geoc date:	20010809		
Geocupd en:	210006		
Geocupd da:	0		
Rcvd date:	0		
Well label:	232390	Swlcount:	1
Swldate:	19810520		
Swlavgmeas:	9		
Swlavglev:	941		
Site id:	MN3000000114047		

Address Information:

Relateid:	0000232390	Name:	BECKER 4
Addtype c:	Well address	House no:	Not Reported
Street:	Not Reported	Road type:	Not Reported
Road dir:	Not Reported	City:	BECKER
State:	MN	Zipcode:	55308
Entry date:	Not Reported		
Updt date:	Not Reported		
Other:	Not Reported		

Construction 1 Information:

Relateid:	0000232390	Drill meth:	Cable Tool
Drill fluid:	Not Reported	Hydrofrac:	Not Reported
Hffrom:	Not Reported		
Hfto:	Not Reported		
Case mat:	Steel (black or low carbon)	Case joint:	W
Case top:	1		
Drive shoe:	Y	Case type:	Single casing
Screen:	Y		
Ohtopfeet:	Not Reported		
Ohbotfeet:	Not Reported		
Screen mfg:	JOHNSON	Screen typ:	stainless steel
Ptiss mfg:	Not Reported	Ptiss mdl:	Not Reported
Bsmt offst:	Not Reported	Csg top ok:	Y
Csg at grd:	Not Reported	Pistc prot:	Not Reported
Disinfctd:	Not Reported	Pump inst:	Not Reported
Pump date:	Not Reported		
Pump mfg:	Not Reported	Pump model:	Not Reported
Pump hp:	0		
Pump volts:	Not Reported		
Drop len:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Dropp mat:	Not Reported		
Pump cpcty:	Not Reported		
Pump type:	Not Reported	Variance:	Not Reported
Drillr name:	MCALPINE, K.		
Entry date:	19901201		
Updt date:	19940203		

Construction 2 Information:

Relateid:	0000232390	Constype:	C
From depth:	0		
To depth:	41		
Diameter:	16		
Slot:	Not Reported		
Length:	Not Reported		
Material:	Not Reported		
Amount:	62.58		
Units:	Not Reported		

Historic Water Level Information:

Relateid:	0000232390	Meas type:	Well installation
Meas date:	19810520		
Meas time:	Not Reported		
M pt code:	Land surface		
Meas point:	0		
Measuremt:	9		
Meas elev:	941		
Data src:	Mc Alpine Brothers	Program:	CWI
Entry date:	19901201		
Updt date:	20090630		

Id Information:

Relateid:	0000232390	Identifier:	82-3001
Id type:	MNDNR	Id prog:	PA

Id Information:

Relateid:	0000232390	Identifier:	1710008S05
Id type:	MDH	Id prog:	PWS

Pump Test Information:

Relateid:	0000232390
Pumptestid:	1
Test date:	19810520
Start meas:	9
Flow rate:	500
Duration:	1
Pump meas:	18

Pump Test Information:

Relateid:	0000232390
Pumptestid:	2
Test date:	19810520
Start meas:	9
Flow rate:	750
Duration:	1
Pump meas:	21

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Remarks Information:

Relateid: 0000232390
Seq no: 1
Remarks: 50 SLOT SCREEN 41-46 FT. 80 SLOT SCREEN 46-61 FT.

Remarks Information:

Relateid: 0000232390
Seq no: 2
Remarks: SAME AS UNIQUE NO. 457837 WHICH WAS AN IRRIGATION WELL P.A. 82-3001.

B11
South
1/2 - 1 Mile
Lower

MN WELLS MN3000000112010

Relateid:	0000225854	County c:	Sherburne
Unique no:	00225854	Wellname:	WELL NO. 2
Township:	33	Range:	28
Range dir:	W	Section:	7
Subsection:	ADBBBB	Mgsquad c:	Monticello
Elevation:	962		
Elev mc:	7.5 minute topographic map (+/- 5 feet)		
Status c:	Active		
Use c:	Irrigation	Loc mc:	Information from owner
Loc src:	Minnesota Geological Survey	Data src:	Not Reported
Depth drill:	87		
Depth comp:	87		
Date drill:	19710407		
Case diam:	16		
Case depth:	67		
Grout:	Not Reported	Pollut dst:	0
Pollut dir:	Not Reported	Pollut typ:	Not Reported
Strat date:	19960709		
Strat upd:	20020711		
Strat src:	Minnesota Geological Survey	Strat geol:	Bruce Bloomgren
Strat mc:	Geologic study 1:24k to 1:100k		
Depth2bdrk:	0		
First bdrk:	Not Reported	Last strat:	Sand
Ohtopunit:	QHUU	Ohbotunit:	QFUU
Aquifer:	QBAA	Cuttings:	Not Reported
Core:	Not Reported	Bhgeophys:	Not Reported
Geochem:	Not Reported	Waterchem:	Not Reported
Obwell:	Not Reported	Swl:	Y
Igwis:	Not Reported	Input src:	Minnesota Geological Survey
Unused:	Not Reported		
Entry date:	19880417		
Updt date:	20020711		
Geoc type:	WW	Gcm code:	A
Geoc src:	MGS	Geoc prg:	CWI
Utme:	432218		
Utmn:	5024303		
Geoc entry:	0		
Geoc date:	19950412		
Geocupd en:	0		
Geocupd da:	0		
Rcvd date:	0		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well label: 225854
Swldate: 19710514
Swlavgmeas: 28
Swlavgelav: 934
Site id: MN3000000112010

Swlcount: 1

Address Information:

Relateid: 0000225854
Addtype c: Both
Street: Not Reported
Road dir: Not Reported
State: MN
Entry date: 19880417
Updt date: 19960709
Other: Not Reported

Name: WELL NO. 2
House no: Not Reported
Road type: Not Reported
City: BECKER
Zipcode: Not Reported

Construction 1 Information:

Relateid: 0000225854
Drill fluid: Not Reported
Hffrom: Not Reported
Hfto: Not Reported
Case mat: Steel (black or low carbon)
Case top: 0
Drive shoe: Not Reported
Screen: Y
Ohtopfeet: Not Reported
Ohbotfeet: Not Reported
Screen mfg: Not Reported
Pliss mfg: Not Reported
Bsmt offst: Not Reported
Csg at grd: Not Reported
Disinfectd: Not Reported
Pump date: Not Reported
Pump mfg: Not Reported
Pump hp: 0
Pump volts: Not Reported
Dropp len: Not Reported
Dropp mat: Not Reported
Pump cpcty: Not Reported
Pump type: Not Reported
Drllr name: Not Reported
Entry date: 19880417
Updt date: 20020711

Drill meth: Not Reported
Hydrofrac: Not Reported

Case joint: Not Reported

Case type: Single casing

Screen typ: Not Reported
Pliss mdl: Not Reported
Csg top ok: Not Reported
Plstc prot: Not Reported
Pump inst: Not Reported

Pump model: Not Reported

Variance: Not Reported

Construction 2 Information:

Relateid: 0000225854
From depth: 0
To depth: 67
Diameter: 16
Slot: Not Reported
Length: Not Reported
Material: Not Reported
Amount: Not Reported
Units: Not Reported

Constype: C

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Historic Water Level Information:

Relatedid:	0000225854	Meas type:	Well installation
Meas date:	19710514		
Meas time:	Not Reported		
M pt code:	Land surface		
Meas point:	0		
Measuremt:	28		
Meas elev:	934		
Data src:	Not Reported	Program:	CWI
Entry date:	19880417		
Updt date:	0		

Id Information:

Relatedid:	0000225854	Identifier:	71-0792
Id type:	MNDNR	Id prog:	PA

Pump Test Information:

Relatedid:	0000225854
Pumptestid:	1
Test date:	19710514
Start meas:	28
Flow rate:	800
Duration:	2
Pump meas:	58

A12
NNE
1/2 - 1 Mile
Lower

FED USGS USGS2008671

Agency cd:	MN040	Site no:	452325093513701
Site name:	34N28W31DADDDA01		
Latitude:	452325	EDR Site id:	USGS2008671
Longitude:	0935137	Dec lat:	45.39024333
Dec lon:	-93.86053056	Coor meth:	M
Coor acsr:	S	Lalong datum:	NAD27
Dec lalong datum:	NAD83	District:	27
State:	27	County:	141
Country:	US	Land net:	SENESES31 T 34N R28W
Location map:	BECKER	Map scale:	24000
Altitude:	950		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	5		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	ClearwaterElk, Minnesota. Area = 1100 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19810520
Date inventoried:	19901201	Mean greenwich time offset:	CST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Unconfined single aquifer		
Aquifer:	GLACIAL SURFICIAL SAND & GRAVEL		
Well depth:	61	Hole depth:	61
Source of depth data:	Not Reported		
Project number:	462714100		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Peak flow data count: 0
Water quality data end date: 0000-00-00
Ground water data begin date: 1981-05-20
Ground water data count: 1

Water quality data begin date: 0000-00-00
Water quality data count: 0
Ground water data end date: 1981-05-20

Ground-water levels, Number of Measurements: 0

B13
South
1/2 - 1 Mile
Lower

FED USGS USGS2008902

Agency cd:	MN040	Site no:	452208093515501
Site name:	33N28W07ADBBBB01	EDR Site id:	USGS2008902
Latitude:	452208	Dec lat:	45.36885417
Longitude:	0935155	Coor meth:	M
Dec lon:	-93.86553056	Latlong datum:	NAD27
Coor accr:	S	District:	27
Dec latlong datum:	NAD83	County:	141
State:	27	Land net:	NWSENE07 T 33N R28W
Country:	US	Map scale:	24000
Location map:	MONTICELLO		
Altitude:	962		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	5		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	ClearwaterElk. Minnesota. Area = 1100 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19710407
Date inventoried:	19880417	Mean greenwich time offset:	CST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Unconfined single aquifer		
Aquifer:	GLACIAL SURFICIAL SAND & GRAVEL		
Well depth:	87	Hole depth:	87
Source of depth data:	Not Reported		
Project number:	MN-UMIS		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1971-05-14	Ground water data end date:	1971-05-14
Ground water data count:	1		

Ground-water levels, Number of Measurements: 0

C14
ENE
1/2 - 1 Mile
Lower

MN WELLS MN3000000113667

Relateid:	0000547267	County c:	Sherburne
Unique no:	00547267	Wellname:	FREDERICKSON, GARY
Township:	33	Range:	28
Range dir:	W	Section:	5
Subsection:	BAA	Mgsquad c:	Becker
Elevation:	948		
Elev mc:	Calc from DEM (USGS 7.5 min or equiv.)		
Status c:	Active		
Use c:	Domestic	Loc mc:	Address verification
Loc src:	Minnesota Department of Health	Data src:	Bjorklund S.r. Well
Depth drill:	67		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Depth comp:	67		
Date drll:	19941030		
Case diam:	4		
Case depth:	63		
Grout:	Well grouted, type unknown	Pollut dst:	50
Pollut dir:	S	Pollut typ:	SDF
Strat date:	20010817		
Strat upd:	0		
Strat src:	Not Reported	Strat geol:	Not Reported
Strat mc:	Not Reported		
Depth2bdrk:	0		
First bdrk:	Not Reported	Last strat:	Unknown deposit type
Ohtopunit:	Not Reported	Ohbotunit:	Not Reported
Aquifer:	Not Reported	Cuttings:	Not Reported
Core:	Not Reported	Bhgeophys:	Not Reported
Geochem:	Not Reported	Waterchem:	Not Reported
Obwell:	Not Reported	Swl:	Y
Igwis:	Not Reported	Input src:	Minnesota Geological Survey
Unused:	N		
Entry date:	19950215		
Updt date:	20080327		
Geoc type:	WW	Gcm code:	G6O
Geoc src:	MDH	Geoc prg:	WHP
Utme:	433289		
Utmn:	5026110		
Geoc entry:	210020		
Geoc date:	20010810		
Geocupd en:	0		
Geocupd da:	0		
Rcvd date:	0		
Well label:	547267	Swlcount:	1
Swldate:	19941030		
Swlavgmeas:	30		
Swlavgelev:	918		
Site id:	MN3000000113667		

Address Information:			
Relateid:	0000547267	Name:	FREDERICKSON, GARY
Addtype c:	Well address	House no:	14933
Street:	RIVER	Road type:	Street
Road dir:	Not Reported	City:	BECKER
State:	MN	Zipcode:	55308
Entry date:	19950215		
Updt date:	19950215		
Other:	Not Reported		

Construction 1 Information:			
Relateid:	0000547267	Drill meth:	Non-specified Rotary
Drill fluid:	Not Reported	Hydrofrac:	Not Reported
Hffrom:	Not Reported		
Hfto:	Not Reported		
Case mat:	Plastic	Case joint:	Not Reported
Case top:	Not Reported		
Drive shoe:	Not Reported	Case type:	Single casing
Screen:	Y		
Ohtopfeet:	Not Reported		
Ohbotfeet:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Screen mfg:	COOK	Screen typ:	stainless steel
Ptiss mfg:	SNAPPY	Ptiss mdl:	Not Reported
Bsmf offst:	Not Reported	Csg top ok:	U
Csg at grd:	Not Reported	Pistc prot:	Not Reported
Disinfectd:	Not Reported	Pump inst:	Not Reported
Pump date:	Not Reported		
Pump mfg:	AERMOTOR	Pump model:	SD12-50
Pump hp:	.5		
Pump volts:	230		
Drpp len:	40		
Drpp mat:	Not Reported		
Pump cpcty:	Not Reported		
Pump type:	Submersible	Variance:	Not Reported
Drllr name:	TORGERSON		
Entry date:	Not Reported		
Updt date:	20011118		

Construction 2 Information:

Relateid:	0000547267	Constype:	C
From depth:	0		
To depth:	63		
Diameter:	4		
Slot:	Not Reported		
Length:	Not Reported		
Material:	Not Reported		
Amount:	Not Reported		
Units:	Not Reported		

Historic Water Level Information:

Relateid:	0000547267	Meas type:	Well installation
Meas date:	19941030		
Meas time:	Not Reported		
M pt code:	Land surface		
Meas point:	0		
Measuremt:	30		
Meas elev:	918		
Data src:	Bjorklund S.r. Well	Program:	CWI
Entry date:	19950215		
Updt date:	20011026		

Pump Test Information:

Relateid:	0000547267
Pumptestid:	1
Test date:	Not Reported
Start meas:	30
Flow rate:	25
Duration:	3
Pump meas:	60

15
SW
1/2 - 1 Mile
Lower

FED USGS USGS2008911

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Agency cd:	MN040	Site no:	452210093523701
Site name:	033N28W07BBD 01ALUS-15	EDR Site id:	USGS2008911
Latitude:	452214.71	Dec lat:	45.37075278
Longitude:	0935234.69	Coor meth:	D
Dec lon:	-93.87630278	Latlong datum:	NAD83
Coor accr:	1	District:	27
Dec latlong datum:	NAD83	County:	141
State:	27	Land net:	SENWNWS07 T033N R28W
Country:	US	Map scale:	24000
Location map:	SILVER CREEK, MINN.		
Altitude:	960		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	5		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	ClearwaterElk. Minnesota. Area = 1100 sq.mi.		
Topographic:	Flat surface		
Site type:	Ground-water other than Spring	Date construction:	19910906
Date inventoried:	19921102	Mean greenwich time offset:	CST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Unconfined single aquifer		
Aquifer:	DES MOINES OUTWASH		
Well depth:	37	Hole depth:	38
Source of depth data:	other government (other than USGS)		
Project number:	462714100		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	1998-05-21
Water quality data end date:	1998-05-21	Water quality data count:	1
Ground water data begin date:	1991-09-06	Ground water data end date:	1991-09-06
Ground water data count:	1		

Ground-water levels, Number of Measurements: 0

C16
ENE
1/2 - 1 Mile
Lower

MN WELLS MN3000000113626

Related:	0000639100	County c:	Sherburne
Unique no:	00639100	Wellname:	WOOLHOUSE, WANDA
Township:	33	Range:	28
Range dir:	W	Section:	5
Subsection:	AAB	Mgsquad c:	Becker
Elevation:	954		
Elev mc:	Calc from DEM (USGS 7.5 min or equiv.)		
Status c:	Active		
Use c:	Domestic	Loc mc:	Address verification
Loc src:	Minnesota Department of Health	Data src:	Bjorklund S.r. Well
Depth drill:	64		
Depth comp:	64		
Date drill:	20000426		
Case diam:	4		
Case depth:	60		
Grout:	Well grouted, type unknown	Pollut dst:	75
Pollut dir:	N	Pollut typ:	SDF
Strat date:	20010530		
Strat upd:	0		
Strat src:	Not Reported	Strat geol:	Not Reported
Strat mc:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Depth2bdrk:	0	Last strat:	Unknown deposit type
First bdrk:	Not Reported	Ohbotunit:	Not Reported
Ohtopunit:	Not Reported	Cuttings:	Not Reported
Aquifer:	Not Reported	Bhgeophys:	Not Reported
Core:	Not Reported	Waterchem:	Not Reported
Geochem:	Not Reported	Swl:	Y
Obwell:	Not Reported	Input src:	Minnesota Geological Survey
Igwis:	Not Reported		
Unused:	N		
Entry date:	20010530		
Updt date:	20080327		
Geoc type:	WW	Gcm code:	G6O
Geoc src:	MDH	Geoc prg:	WHP
Utme:	433377		
Utmn:	5026076		
Geoc entry:	210020		
Geoc date:	20010810		
Geocupd en:	0		
Geocupd da:	0		
Rcvd date:	0		
Well label:	639100	Swlcount:	1
Swldate:	20000426		
Swlavmeas:	28		
Swlavgelev:	926		
Site id:	MN3000000113626		
Address Information:			
Relateid:	0000639100	Name:	WOOLHOUSE, WANDA
Addtype c:	Both	House no:	14975
Street:	RIVER	Road type:	Street
Road dir:	Not Reported	City:	BECKER
State:	MN	Zipcode:	55308
Entry date:	20010530		
Updt date:	20050311		
Other:	Not Reported		
Construction 1 Information:			
Relateid:	0000639100	Drill meth:	Non-specified Rotary
Drill fluid:	Not Reported	Hydrofrac:	Not Reported
Hffrom:	Not Reported		
Hfto:	Not Reported		
Case mat:	Plastic	Case joint:	Not Reported
Case top:	Not Reported		
Drive shoe:	Not Reported	Case type:	Single casing
Screen:	Y		
Ohtopfeet:	Not Reported		
Ohbotfeet:	Not Reported		
Screen mfg:	JOHNSON	Screen typ:	stainless steel
Ptlss mfg:	SNAPPY	Ptlss mdl:	Not Reported
Bsmt offst:	Not Reported	Csg top ok:	Y
Csg at grd:	Not Reported	Plstc prot:	Not Reported
Disinfectd:	Not Reported	Pump inst:	Not Reported
Pump date:	20000426		
Pump mfg:	AERMOTOR	Pump model:	T12-50
Pump hp:	.5		
Pump volts:	230		
Dropp len:	40		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Dropp mat: Not Reported
Pump cpcty: 11
Pump type: Submersible
Drllr name: Not Reported
Entry date: 20010530
Updt date: 20020226

Variance: N

Construction 2 Information:

Relateid: 0000639100
From depth: 0
To depth: 60
Diameter: 4
Slot: Not Reported
Length: Not Reported
Material: Not Reported
Amount: Not Reported
Units: Not Reported

Constype: C

Historic Water Level Information:

Relateid: 0000639100
Meas date: 20000426
Meas time: Not Reported
M pt code: Land surface
Meas point: Not Reported
Measuremt: 28
Meas elev: 926
Data src: Bjorklund S.r. Well
Entry date: 20010530
Updt date: 20011026

Meas type: Well installation

Program: WELLLOG

Pump Test Information:

Relateid: 0000639100
Pumptestid: 1
Test date: 20000426
Start meas: 28
Flow rate: 20
Duration: Not Reported
Pump meas: 50

D17
SE
1/2 - 1 Mile
Lower

FED USGS USGS2008913

Agency cd: MN040
Site name: 33N28W08BBDDAB01
Latitude: 452211
Longitude: 0935121
Dec lon: -93.85608556
Coor accr: S
Dec latlong datum: NAD83
State: 27
Country: US
Location map: MONTICELLO

Site no: 452211093512101
EDR Site id: USGS2008913
Dec lat: 45.3696875
Coor meth: M
Lalong datum: NAD27
District: 27
County: 141
Land net: SENWNWS08 T 33N R28W
Map scale: 24000

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Altitude:	962		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	5		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	ClearwaterElk. Minnesota. Area = 1100 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19710404
Date inventoried:	19880417	Mean greenwich time offset:	CST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	87	Hole depth:	87
Source of depth data:	Not Reported		
Project number:	MN-UMIS		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1971-05-17	Ground water data end date:	1971-05-17
Ground water data count:	1		

Ground-water levels, Number of Measurements: 0

D18
SSE
1/2 - 1 Mile
Lower

MN WELLS MN3000000112064

Relateid:	0000225853	County c:	Sherburne
Unique no:	00225853	Wellname:	WELL NO. 1.
Township:	33	Range:	28
Range dir:	W	Section:	8
Subsection:	BBDDAB	Mgsquad c:	Monticello
Elevation:	962		
Elev mc:	7.5 minute topographic map (+/- 5 feet)		
Status c:	Active		
Use c:	Irrigation	Loc mc:	Other, note in remarks
Loc src:	Minnesota Geological Survey	Data src:	Not Reported
Depth drill:	87		
Depth comp:	87		
Date drill:	19710404		
Case diam:	16		
Case depth:	67		
Grout:	Not Reported	Pollut dst:	0
Pollut dir:	Not Reported	Pollut typ:	Not Reported
Strat date:	19960709		
Strat upd:	20020711		
Strat src:	Minnesota Geological Survey	Strat geol:	Bruce Bloomgren
Strat mc:	Geologic study 1:24k to 1:100k		
Depth2bdrk:	0		
First bdrk:	Not Reported	Last strat:	Sand
Ohtopunit:	QFUU	Ohbotunit:	QFUU
Aquifer:	QBAA	Cuttings:	Not Reported
Core:	Not Reported	Bhgeophys:	Not Reported
Geochem:	Not Reported	Waterchem:	Not Reported
Obwell:	Not Reported	Swl:	Y
Igwis:	Not Reported	Input src:	Minnesota Geological Survey
Unused:	Not Reported		
Entry date:	19880417		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Updt date: 20020711
 Geoc type: WW
 Geoc src: MGS
 Utme: 432955
 Ulmn: 5024360
 Geoc entry: 0
 Geoc date: 19950412
 Geocupd en: 0
 Geocupd da: 0
 Rcvd date: 0
 Well label: 225853
 Swldate: 19710517
 Swlavgmeas: 27
 Swlavgelov: 935
 Site id: MN3000000112064

Gcm code: A
 Geoc prg: CWI

Swlcount: 1

Address Information:

Relateid: 0000225853
 Addtype c: Both
 Street: Not Reported
 Road dir: Not Reported
 State: MN
 Entry date: 19880417
 Updt date: 20020711
 Other: Not Reported

Name: BURNAP, BILL
 House no: Not Reported
 Road type: Not Reported
 City: BECKER
 Zipcode: Not Reported

Construction 1 Information:

Relateid: 0000225853
 Drill fluid: Not Reported
 Hffrom: Not Reported
 Hfto: Not Reported
 Case mat: Steel (black or low carbon)
 Case top: 0
 Drive shoe: Not Reported
 Screen: Y
 Ohltopfeet: Not Reported
 Ohlbotfeet: Not Reported
 Screen mfg: Not Reported
 Pltss mfg: Not Reported
 Bsmt offst: Not Reported
 Csg at grd: Not Reported
 Disinfectd: Not Reported
 Pump date: Not Reported
 Pump mfg: Not Reported
 Pump hp: 0
 Pump volts: Not Reported
 Dropp len: Not Reported
 Dropp mat: Not Reported
 Pump cpcty: Not Reported
 Pump type: Not Reported
 Drllr name: Not Reported
 Entry date: 19880417
 Updt date: 20020711

Drill meth: Not Reported
 Hydrofrac: Not Reported

Case joint: Not Reported
 Case type: Single casing

Screen typ: Not Reported
 Pltss mdl: Not Reported
 Csg top ok: Not Reported
 Plstc prot: Not Reported
 Pump inst: Not Reported

Pump model: Not Reported

Variance: Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Construction 2 Information:

Relateid: 0000225853
From depth: 0
To depth: 67
Diameter: 16
Slot: Not Reported
Length: Not Reported
Material: Not Reported
Amount: Not Reported
Units: Not Reported

Constype: C

Historic Water Level Information:

Relateid: 0000225853
Meas date: 19710517
Meas time: Not Reported
M pt code: Land surface
Meas point: 0
Measuremt: 27
Meas elev: 935
Data src: Not Reported
Entry date: 19880417
Updt date: 0

Meas type: Well installation

Program: CWI

Id Information:

Relateid: 0000225853
Id type: MNDNR

Identifier: 74-5184
Id prog: PA

Pump Test Information:

Relateid: 0000225853
Pumptestid: 1
Test date: 19710517
Start meas: 27
Flow rate: 800
Duration: 2
Pump meas: 60

Remarks Information:

Relateid: 0000225853
Seq no: 1
Remarks: FORMERLY UNDER PERMIT 71-0972.

E19
North
1/2 - 1 Mile
Higher

MN WELLS MN3000000114263

Relateid: 0000127273
Unique no: 00127273
Township: 34
Range dir: W
Subsection: DABDBB
Elevation: 968
Elev mc: 7.5 minute topographic map (+/- 5 feet)
Status c: Active
Use c: Community Supply (municipal)
Loc src: Minnesota Geological Survey
Depth drill: 53

County c: Sherburne
Wellname: BECKER 2
Range: 28
Section: 31
Mgsquad c: Becker
Loc mc: Information from owner
Data src: Keys Well Co.

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Depth comp:	53		
Date drll:	19770700		
Case diam:	10		
Case depth:	43		
Grout:	Well known to be not grouted	Pollut dst:	0
Pollut dir:	Not Reported	Pollut typ:	Not Reported
Strat date:	19951011		
Strat upd:	20090630		
Strat src:	Minnesota Geological Survey	Strat geol:	Bruce Bloomgren
Strat mc:	Geologic study 1:24k to 1:100k		
Depth2bdrk:	0		
First bdrk:	Not Reported	Last strat:	Clay
Ohtopunit:	QHUB	Ohbotunit:	QHUB
Aquifer:	QWTA	Cuttings:	Y
Core:	Not Reported	Bhgeophys:	Not Reported
Geochem:	Not Reported	Waterchem:	Not Reported
Obwell:	Not Reported	Swl:	Y
Igwis:	Not Reported	Input src:	Minnesota Geological Survey
Unused:	Not Reported		
Entry date:	19901201		
Updt date:	20090630		
Geoc type:	WW	Gcm code:	G6A
Geoc src:	MDH	Geoc prg:	WHP
Utme:	432367		
Ulmn:	5026945		
Geoc entry:	2125000		
Geoc date:	19990930		
Geocupd en:	2125000		
Geocupd da:	0		
Rcvd date:	0		
Well label:	127273	Swlcount:	1
Swldate:	19770700		
Swlavgmeas:	25.7000007629395		
Swlavgelev:	942.299987792969		
Site id:	MN3000000114263		

Address Information:

Relateid:	0000127273	Name:	CITY OF BECKER
Addtype c:	Contact address	House no:	Not Reported
Street:	P.O. BOX 250	Road type:	Not Reported
Road dir:	Not Reported	City:	BECKER
State:	MN	Zipcode:	55308
Entry date:	20010622		
Updt date:	20090630		
Other:	Not Reported		

Construction 1 Information:

Relateid:	0000127273	Drill meth:	Cable Tool
Drill fluid:	Not Reported	Hydrofrac:	Not Reported
Hffrom:	Not Reported		
Hfto:	Not Reported		
Case mat:	Steel (black or low carbon)	Case joint:	T
Case top:	2		
Drive shoe:	Not Reported	Case type:	Single casing
Screen:	Y		
Ohtopfeet:	Not Reported		
Ohbotfeet:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Screen mfg:	U.O.P.	Screen typ:	stainless steel
Ptss mfg:	Not Reported	Ptss mdl:	Not Reported
Bsmt offst:	Not Reported	Csg top ok:	Y
Csg at grd:	Not Reported	Plstc prot:	Not Reported
Disinfectd:	Y	Pump inst:	Y
Pump date:	Not Reported		
Pump mfg:	JACUZZI	Pump model:	707042932
Pump hp:	10		
Pump volts:	Not Reported		
Dropp len:	33		
Dropp mat:	Not Reported		
Pump cpclty:	Not Reported		
Pump type:	Submersible	Variance:	Not Reported
Drllr name:	HORRIGAN, D.		
Entry date:	19901201		
Updt date:	20020613		

Construction 2 Information:

Relateid:	0000127273	Constype:	C
From depth:	0		
To depth:	43		
Diameter:	10		
Slot:	Not Reported		
Length:	Not Reported		
Material:	Not Reported		
Amount:	Not Reported		
Units:	Not Reported		

Historic Water Level Information:

Relateid:	0000127273	Meas type:	Well installation
Meas date:	19770700		
Meas time:	Not Reported		
M pt code:	Land surface		
Meas point:	0		
Measuremt:	25.7		
Meas elev:	942.3		
Data src:	Keys Well Co.	Program:	CWI
Entry date:	19901201		
Updt date:	20090630		

Id Information:

Relateid:	0000127273	Identifier:	77-3605
Id type:	MNDNR	Id prog:	PA

Id Information:

Relateid:	0000127273	Identifier:	1710008S02
Id type:	MDH	Id prog:	PWS

Id Information:

Relateid:	0000127273	Identifier:	1239
Id type:	MGS	Id prog:	CUTTING

Pump Test Information:

Relateid:	0000127273
Pumptestid:	1
Test date:	19770700
Start meas:	25.67
Flow rate:	100
Duration:	1
Pump meas:	30.58

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Pump Test Information:

Relateid: 0000127273
 Pumptestid: 2
 Test date: 19770700
 Start meas: 25.67
 Flow rate: 170
 Duration: 1.5
 Pump meas: 31.83

Remarks Information:

Relateid: 0000127273
 Seq no: 1
 Remarks: M.G.S. NO. 1239.

E20
North
1/2 - 1 Mile
Higher

MN WELLS MN3000000114276

Relateid:	0000127272	County c:	Sherburne
Unique no:	00127272	Wellname:	BECKER 1
Township:	34	Range:	28
Range dir:	W	Section:	31
Subsection:	DABBDD	Mgsquad c:	Becker
Elevation:	968		
Elev mc:	7.5 minute topographic map (+/- 5 feet)		
Status c:	Active		
Use c:	Municipal	Loc mc:	Information from owner
Loc src:	Minnesota Geological Survey	Data src:	Keys Well Co.
Depth drill:	52		
Depth comp:	52		
Date drill:	19770700		
Case diam:	10		
Case depth:	42		
Grout:	Well known to be not grouted	Pollut dst:	0
Pollut dir:	Not Reported	Pollut typ:	Not Reported
Strat date:	19951011		
Strat upd:	20090630		
Strat src:	Minnesota Geological Survey	Strat geol:	Bruce Bloomgren
Strat mc:	Geologic study 1:24k to 1:100k		
Depth2bdrk:	0		
First bdrk:	Not Reported	Last strat:	Clay
Ohtopunit:	QGUB	Ohbotunit:	QGUB
Aquifer:	QBAA	Cuttings:	Y
Core:	Not Reported	Bhgeophys:	Not Reported
Geochem:	Not Reported	Waterchem:	Not Reported
Obwell:	Not Reported	Swl:	Y
Igwis:	Not Reported	Input src:	Minnesota Geological Survey
Unused:	Not Reported		
Entry date:	19901201		
Updt date:	20090630		
Geoc type:	WW	Gcm code:	A
Geoc src:	MGS	Geoc prg:	CWI
Utime:	432350		
Utmn:	5026962		
Geoc entry:	0		
Geoc date:	19950412		
Geocupd en:	619007		
Geocupd da:	0		
Rcvd date:	0		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well label: 127272
Swldate: 19770700
Swlavmeas: 25.7999992370605
Swlavgelev: 942.200012207031
Site id: MN3000000114276

Swlcount: 1

Address Information:

Relateid: 0000127272
Addtype c: Contact address
Street: P.O. BOX 250
Road dir: Not Reported
State: MN
Entry date: Not Reported
Updt date: 20090630
Other: Not Reported

Name: CITY OF BECKER
House no: Not Reported
Road type: Not Reported
City: BECKER
Zipcode: 55308

Construction 1 Information:

Relateid: 0000127272
Drill fluid: Not Reported
Hffrom: Not Reported
Hfto: Not Reported
Case mat: Steel (black or low carbon)
Case top: 2
Drive shoe: Not Reported
Screen: Y
Ohtopfeet: Not Reported
Ohbotfeet: Not Reported
Screen mfg: U.O.P.
Plss mfg: Not Reported
Bsmt offst: Not Reported
Csg at grd: Not Reported
Disinfectd: Y
Pump date: Not Reported
Pump mfg: JACUZZI
Pump hp: 5
Pump volts: 230
Dropp len: 32
Dropp mat: Not Reported
Pump cpcty: Not Reported
Pump type: Submersible
Drllr name: HERRIGAN, D.
Entry date: 19901201
Updt date: 20021106

Drill meth: Cable Tool
Hydrofrac: Not Reported

Case joint: T
Case type: Single casing

Screen typ: stainless steel
Plss mdl: Not Reported
Csg top ok: Y
Plstc prot: Not Reported
Pump inst: Y

Pump model: 7J710007

Variance: Not Reported

Construction 2 Information:

Relateid: 0000127272
From depth: 0
To depth: 42
Diameter: 10
Slot: Not Reported
Length: Not Reported
Material: Not Reported
Amount: Not Reported
Units: Not Reported

Constype: C

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Historic Water Level Information:

Relateid:	0000127272	Meas type:	Well installation
Meas date:	19770700		
Meas time:	Not Reported		
M pt code:	Land surface		
Meas point:	0		
Measuremt:	25.8		
Meas elev:	942.2		
Data src:	Keys Well Co.	Program:	CWI
Entry date:	19901201		
Updt date:	20090630		

Id Information:

Relateid:	0000127272	Identifier:	77-3605
Id type:	MNDNR	Id prog:	PA

Id Information:

Relateid:	0000127272	Identifier:	1240
Id type:	MGS	Id prog:	CUTTING

Pump Test Information:

Relateid:	0000127272
Pumptestid:	1
Test date:	19770700
Start meas:	25.83
Flow rate:	100
Duration:	1
Pump meas:	39.75

Pump Test Information:

Relateid:	0000127272
Pumptestid:	2
Test date:	19770700
Start meas:	25.83
Flow rate:	80
Duration:	3
Pump meas:	39.83

Remarks Information:

Relateid:	0000127272
Seq no:	1
Remarks:	M.G.S. NO. 1240.

21

WSW

1/2 - 1 Mile

Lower

FED USGS

USGS2008796

Agency cd:	USGS	Site no:	452229093525801
Site name:	033N29W01DDA 01ALUS-11		
Latitude:	452228.88	EDR Site id:	USGS2008796
Longitude:	0935258.91	Dec lat:	45.37468889
Dec lon:	-93.88303056	Coor meth:	M
Coor accr:	R	Latlong datum:	NAD83
Dec latlong datum:	NAD83	District:	27
State:	27	County:	141
Country:	US	Land net:	NESESES01 T033N R29W
Location map:	SILVER CREEK, MINN.	Map scale:	24000

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Altitude:	962.5		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	5		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	ClearwaterElk. Minnesota. Area = 1100 sq.mi.		
Topographic:	Flat surface		
Site type:	Ground-water other than Spring	Date construction:	19810826
Date inventoried:	Not Reported	Mean greenwich time offset:	CST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Unconfined single aquifer		
Aquifer:	DES MOINES OUTWASH		
Well depth:	60	Hole depth:	76
Source of depth data:	owner		
Project number:	462714100		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	1998-05-21
Water quality data end date:	1998-05-21	Water quality data count:	1
Ground water data begin date:	0000-00-00	Ground water data end date:	0000-00-00
Ground water data count:	0		

Ground-water levels, Number of Measurements: 0

E22
North
1/2 - 1 Mile
Higher

FED USGS USGS2008537

Agency cd:	MN040	Site no:	452335093515001
Site name:	34N28W34DABBDD01	EDR Site id:	USGS2008537
Latitude:	452335	Dec lat:	45.39302111
Longitude:	0935150	Coor meth:	M
Dec lon:	-93.86414194	Latlong datum:	NAD27
Coor accr:	S	District:	27
Dec latlong datum:	NAD83	County:	141
State:	27	Land net:	NWNESES34 T 34N R28W
Country:	US	Map scale:	24000
Location map:	BECKER		
Altitude:	967		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	5		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	ClearwaterElk. Minnesota. Area = 1100 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	197707
Date inventoried:	19901201	Mean greenwich time offset:	CST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Confined single aquifer		
Aquifer:	GLACIAL BURIED SAND & GRAVEL		
Well depth:	52	Hole depth:	52
Source of depth data:	Not Reported		
Project number:	462714100		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Peak flow data count: 0
Water quality data end date: 0000-00-00
Ground water data begin date: 1977-07-00
Ground water data count: 1

Water quality data begin date: 0000-00-00
Water quality data count: 0
Ground water data end date: 1977-07-00

Ground-water levels, Number of Measurements: 0

E23
North
1/2 - 1 Mile
Lower

FED USGS USGS2008536

Agency cd:	MN040	Site no:	452335093514901
Site name:	34N28W31DABACC01	EDR Site id:	USGS2008536
Latitude:	452335	Dec lat:	45.39302111
Longitude:	0935149	Coor meth:	M
Dec lon:	-93.86386417	Latlong datum:	NAD27
Coor accr:	S	District:	27
Dec latlong datum:	NAD83	County:	141
State:	27	Land net:	NWNESES31 T 34N R28W
Country:	US	Map scale:	24000
Location map:	BECKER		
Altitude:	965		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	5		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	ClearwaterElk. Minnesota. Area = 1100 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	197707
Date inventoried:	19901201	Mean greenwich time offset:	CST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Confined single aquifer		
Aquifer:	GLACIAL BURIED SAND & GRAVEL		
Well depth:	53	Hole depth:	53
Source of depth data:	Not Reported		
Project number:	462714100		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1977-07-00	Ground water data end date:	1977-07-00
Ground water data count:	1		

Ground-water levels, Number of Measurements: 0

F24
NE
1/2 - 1 Mile
Lower

FED USGS USGS2008670

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Agency cd:	MN040	Site no:	452325093511001
Site name:	34N28W32CACDD 01	EDR Site id:	USGS2008670
Latitude:	452325	Dec lat:	45.39024333
Longitude:	0935110	Coor meth:	M
Dec lon:	-93.85303028	Latlong datum:	NAD27
Coor accr:	S	District:	27
Dec latlong datum:	NAD83	County:	141
State:	27	Land net:	SWNESWS32 T 34N R28W
Country:	US	Map scale:	24000
Location map:	BECKER		
Altitude:	953		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	5		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	ClearwaterElk. Minnesota. Area = 1100 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19790125
Date inventoried:	19880417	Mean greenwich time offset:	CST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Unconfined single aquifer		
Aquifer:	GLACIAL SURFICIAL SAND & GRAVEL		
Well depth:	95	Hole depth:	95
Source of depth data:	Not Reported		
Project number:	462714100		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1979-01-25	Ground water data end date:	1979-01-25
Ground water data count:	1		

Ground-water levels, Number of Measurements: 0

F25
NE
1/2 - 1 Mile
Lower

MN WELLS MN3000000114068

Relateid:	0000145064	County c:	Sherburne
Unique no:	00145064	Wellname:	HAMACHER, RANDY
Township:	34	Range:	28
Range dir:	W	Section:	32
Subsection:	CACDD	Mgsquad c:	Becker
Elevation:	953		
Elev mc:	7.5 minute topographic map (+/- 5 feet)		
Status c:	Active		
Use c:	Domestic	Loc mc:	Information from neighbor
Loc src:	Minnesota Geological Survey	Data src:	Donabauer Well Co.
Depth drill:	95		
Depth comp:	95		
Date drill:	19790125		
Case diam:	4		
Case depth:	95		
Grout:	Well known to be not grouted	Pollut dst:	75
Pollut dir:	W	Pollut typ:	SDF
Strat date:	19910819		
Strat upd:	20020613		
Strat src:	Not Reported	Strat geol:	Not Reported
Strat mc:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Depth2bdrk:	0	Last strat:	Gravel (+larger)
First bdrk:	NA	Ohbotunit:	QGUU
Ohtopunit:	QGUU	Cuttings:	Not Reported
Aquifer:	QWTA	Bhgeophys:	Not Reported
Core:	Not Reported	Waterchem:	Not Reported
Geochem:	Not Reported	Swl:	Y
Obwell:	Not Reported	Input src:	Minnesota Geological Survey
Igwis:	Not Reported		
Unused:	Not Reported		
Entry date:	19880417		
Updt date:	20020613		
Geoc type:	VW	Gcm code:	A
Geoc src:	MGS	Geoc prg:	CWI
Utme:	433230		
Utmn:	5026661		
Geoc entry:	0		
Geoc date:	19950412		
Geocupd en:	0		
Geocupd da:	0		
Rcvd date:	0		
Well label:	145064	Swlcount:	1
Swldate:	19790125		
Swlavmeas:	17		
Swlavgelev:	936		
Site id:	MN3000000114068		

Construction 1 Information:

Relateid:	0000145064	Drill meth:	Cable Tool
Drill fluid:	Not Reported	Hydrofrac:	Not Reported
Hffrom:	Not Reported		
Hfto:	Not Reported		
Case mat:	Steel (black or low carbon)	Case joint:	T
Case top:	1	Case type:	Single casing
Drive shoe:	Y		
Screen:	Y		
Ohtopfeet:	Not Reported		
Ohbotfeet:	Not Reported		
Screen mfg:	JOHNSON	Screen typ:	stainless steel
Ptlss mfg:	Not Reported	Ptlss mdl:	Not Reported
Bsmt offst:	Not Reported	Csg top ok:	Y
Csg at grd:	Not Reported	Plstc prot:	Not Reported
Disinfectd:	Y	Pump inst:	Y
Pump date:	19790206		
Pump mfg:	GOULD	Pump model:	10EJ05412
Pump hp:	.5		
Pump volts:	230		
Drapp len:	63		
Drapp mat:	G		
Pump cpcty:	8		
Pump type:	Submersible	Variance:	Not Reported
Drllr name:	DONABAUER, Q.		
Entry date:	19880417		
Updt date:	20020613		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Construction 2 Information:

Relateid: 0000145064
 From depth: 0
 To depth: 95
 Diameter: 4
 Slot: Not Reported
 Length: Not Reported
 Material: Not Reported
 Amount: 11
 Units: Not Reported

Constype: C

Historic Water Level Information:

Relateid: 0000145064
 Meas date: 19790125
 Meas time: Not Reported
 M pt code: Land surface
 Meas point: 0
 Measuremt: 17
 Meas elev: 936
 Data src: Donabauer Well Co.
 Entry date: 19880417
 Updt date: 0

Meas type: Well installation

Program: CWI

Pump Test Information:

Relateid: 0000145064
 Pumptestid: 1
 Test date: 19790100
 Start meas: 17
 Flow rate: 9
 Duration: 1
 Pump meas: 75

F26
NE
1/2 - 1 Mile
Lower

MN WELLS MN3000000114126

Relateid:	0000598344	County c:	Sherburne
Unique no:	00598344	Wellname:	MARJAMMA, WADE
Township:	34	Range:	28
Range dir:	W	Section:	32
Subsection:	CAA	Mgsquad c:	Becker
Elevation:	951		
Elev mc:	Calc from DEM (USGS 7.5 min or equiv.)		
Status c:	Active		
Use c:	Domestic	Loc mc:	Information from owner
Loc src:	Minnesota Department of Health	Data src:	McAlpine Well Drilling
Depth drill:	59		
Depth comp:	59		
Date drill:	19970701		
Case diam:	4		
Case depth:	55		
Grout:	Well grouted, type unknown	Pollut dst:	50
Pollut dir:	SE	Pollut typ:	SDF
Strat date:	20010810		
Strat upd:	0		
Strat src:	Not Reported	Strat geol:	Not Reported
Strat mc:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Depth2bdrk:	0	Last strat:	Unknown deposit type
First bdrk:	Not Reported	Ohbotunit:	Not Reported
Ohtopunit:	Not Reported	Cuttings:	Not Reported
Aquifer:	Not Reported	Bhgeophys:	Not Reported
Core:	Not Reported	Waterchem:	Not Reported
Geochem:	Not Reported	Swl:	Y
Obwell:	Not Reported	Input src:	Minnesota Geological Survey
Igwis:	Not Reported		
Unused:	N		
Entry date:	19980706		
Updt date:	20080327		
Geoc type:	WW	Gcm code:	G6O
Geoc src:	MDH	Geoc prg:	WHP
Utme:	433190		
Utmn:	5026727		
Geoc entry:	210006		
Geoc date:	20010809		
Geocupd en:	0		
Geocupd da:	0		
Rcvd date:	0		
Well label:	598344	Swlcount:	1
Swldate:	19970701		
Swlavmeas:	25		
Swlavgelev:	926		
Site id:	MN3000000114126		

Address Information:

Relateid:	0000598344	Name:	MARJAMMA, WADE
Addtype c:	Well address	House no:	12310
Street:	150TH	Road type:	Avenue
Road dir:	Southeast	City:	BECKER
State:	MN	Zipcode:	55308
Entry date:	19980706		
Updt date:	19980706		
Other:	Not Reported		

Address Information:

Relateid:	0000598344	Name:	Not Reported
Addtype c:	Contact address	House no:	8201
Street:	175TH	Road type:	Avenue
Road dir:	Southeast	City:	BECKER
State:	MN	Zipcode:	55308
Entry date:	19980706		
Updt date:	19980706		
Other:	Not Reported		

Construction 1 Information:

Relateid:	0000598344	Drill meth:	Non-specified Rotary
Drill fluid:	Other	Hydrofrac:	Not Reported
Hffrom:	Not Reported		
Hfto:	Not Reported		
Case mat:	Plastic	Case joint:	W
Case top:	Not Reported		
Drive shoe:	Not Reported	Case type:	Single casing
Screen:	Y		
Ohtopfeet:	Not Reported		
Ohbotfeet:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Screen mfg:	JOHNSON	Screen typ:	stainless steel
Ptlss mfg:	MONITOR	Ptlss mdl:	4AO5.5
Bsmt offst:	Not Reported	Csg top ok:	Y
Csg at grd:	Not Reported	Plstc prot:	Y
Disinfectd:	Y	Pump inst:	Not Reported
Pump date:	19970709		
Pump mfg:	AERMOTER	Pump model:	12T50
Pump hp:	.5		
Pump volts:	230		
Dropp len:	42		
Dropp mat:	G		
Pump cpcty:	12		
Pump type:	Submersible	Variance:	N
Drllr name:	MCALPINE, S.		
Entry date:	Not Reported		
Updt date:	20020110		

Construction 2 Information:

Relateid:	0000598344	Constype:	C
From depth:	0		
To depth:	55		
Diameter:	4		
Slot:	Not Reported		
Length:	Not Reported		
Material:	Not Reported		
Amount:	Not Reported		
Units:	Not Reported		

Historic Water Level Information:

Relateid:	0000598344	Meas type:	Well installation
Meas date:	19970701		
Meas time:	Not Reported		
M pt code:	Land surface		
Meas point:	Not Reported		
Measuremt:	25		
Meas elev:	926		
Data src:	McAlpine Well Drilling	Program:	CWI
Entry date:	19980706		
Updt date:	20020110		

Pump Test Information:

Relateid:	0000598344
Pumptestid:	1
Test date:	19970701
Start meas:	25
Flow rate:	20
Duration:	3
Pump meas:	40

27
ESE
1/2 - 1 Mile
Lower

MN WELLS MN3000000112397

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Relateid:	0000742339	County c:	Sherburne
Unique no:	00742339	Wellname:	ALLIANCE AUCTIONS
Township:	33	Range:	28
Range dir:	W	Section:	5
Subsection:	DCCDAC	Mgsquad c:	Monticello
Elevation:	965		
Elev mc:	Calc from DEM (USGS 7.5 min or equiv.)		
Status c:	Active		
Use c:	Public Supply/non-comm.-transient	loc mc:	Not Reported
Loc src:	Not Reported	Data src:	1919
Depth dril:	67		
Depth comp:	67		
Date dril:	20060629		
Case diam:	4		
Case depth:	59		
Grout:	Well grouted, type unknown	Pollut dst:	50
Pollut dir:	E	Pollut typ:	SDF
Strat date:	20060817		
Strat upd:	20060817		
Strat src:	Not Reported	Strat geol:	Not Reported
Strat mc:	Not Reported		
Depth2bdrk:	0		
First bdrk:	Not Reported	Last strat:	Unknown deposit type
Ohtopunit:	Not Reported	Ohbotunit:	Not Reported
Aquifer:	Not Reported	Cuttings:	Not Reported
Core:	Not Reported	Bhgeophys:	Not Reported
Geochem:	Not Reported	Waterchem:	Not Reported
Obwell:	Not Reported	Swl:	Y
Igwis:	Not Reported	Input src:	Minnesota Geological Survey
Unused:	N		
Entry date:	20060817		
Updt date:	20080401		
Geoc type:	WW	Gcm code:	G60
Geoc src:	MDH	Geoc prg:	WM
Utme:	433584		
Utmn:	5024747		
Geoc entry:	2123000		
Geoc date:	20061127		
Geocupd en:	0		
Geocupd da:	0		
Rcvd date:	20060726		
Well label:	742339	Swlcount:	1
Swl date:	20060601		
Swlavgmeas:	26		
Swlavglev:	939		
Site id:	MN3000000112397		
Address Information:			
Relateid:	0000742339	Name:	Not Reported
Addtype c:	Well address	House no:	Not Reported
Street:	Not Reported	Road type:	Not Reported
Road dir:	Not Reported	City:	Not Reported
State:	MN	Zipcode:	Not Reported
Entry date:	20060817		
Updt date:	Not Reported		
Other:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Construction 1 Information:

Relateid:	0000742339	Drill meth:	Non-specified Rotary
Drill fluid:	Qwik gel	Hydrofrac:	Not Reported
Hffrom:	Not Reported		
Hfto:	Not Reported		
Case mat:	Plastic	Case joint:	Not Reported
Case top:	Not Reported		
Drive shoe:	Not Reported	Case type:	Single casing
Screen:	Y		
Ohltopfeet:	Not Reported		
Ohbotfeet:	Not Reported		
Screen mfg:	JOHNSON	Screen typ:	stainless steel
Ptlss mfg:	MONITOR	Ptlss mdl:	SNAPPY
Bsmt offst:	Not Reported	Csg top ok:	Y
Csg at grd:	Not Reported	Plstc prot:	Not Reported
Disinfectd:	Y	Pump inst:	Not Reported
Pump date:	20060629		
Pump mfg:	AERMOTOR	Pump model:	12-50
Pump hp:	.5		
Pump volts:	230		
Dropp len:	40		
Dropp mat:	Not Reported		
Pump cpcty:	13		
Pump type:	Submersible	Variance:	N
Drllr name:	FOBBE, R.		
Entry date:	20060817		
Updt date:	Not Reported		

Construction 2 Information:

Relateid:	0000742339	Constype:	C
From depth:	0		
To depth:	59		
Diameter:	4		
Slot:	Not Reported		
Length:	Not Reported		
Material:	Not Reported		
Amount:	Not Reported		
Units:	Not Reported		

Historic Water Level Information:

Relateid:	0000742339	Meas type:	Well installation
Meas date:	20060601		
Meas time:	Not Reported		
M pl code:	Land surface		
Meas point:	Not Reported		
Measuremt:	26		
Meas elev:	939		
Data src:	Fobbe's Well Co.	Program:	WELLLOG
Entry date:	20060817		
Updt date:	20070105		

Pump Test Information:

Relateid:	0000742339
Pumptestid:	1
Test date:	20060601
Start meas:	26
Flow rate:	48
Duration:	1.25
Pump meas:	65

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Remarks Information:

Relateid: 0000742339

Seq no: 1

Remarks: GROUTED WELL ALL THE WAY DOWN TO 5' FROM TOP OF SCREEN. TALK TO KEITH.

G28

WNW

1/2 - 1 Mile

Higher

MN WELLS

MN3000000113788

Relateid:	0000225787	County c:	Sherburne
Unique no:	00225787	Wellname:	UNIVERSITY OF MINNESOTA
Township:	34	Range:	29
Range dir:	W	Section:	36
Subsection:	DDCDDB	Mgsquad c:	Clear Lake
Elevation:	967		
Elev mc:	7.5 minute topographic map (+/- 5 feet)		
Status c:	Active		
Use c:	Irrigation	Loc mc:	Information from owner
Loc src:	Minnesota Geological Survey	Data src:	Mc Alpine Brothers
Depth drill:	57		
Depth comp:	57		
Date drill:	19690505		
Case diam:	12		
Case depth:	40		
Grout:	Not Reported	Pollut dst:	0
Pollut dir:	Not Reported	Pollut typ:	Not Reported
Strat date:	19910819		
Strat upd:	20021106		
Strat src:	Not Reported	Strat geol:	Not Reported
Strat mc:	Not Reported		
Depth2bdrk:	0		
First bdrk:	Not Reported	Last strat:	Sand
Ohstopunit:	QFUU	Ohbotunit:	QFUU
Aquifer:	QWTA	Cuttings:	Not Reported
Core:	Not Reported	Bhgeophys:	Not Reported
Geochem:	Not Reported	Waterchem:	Not Reported
Obwell:	Not Reported	Swl:	Y
Igwis:	Not Reported	Input src:	Minnesota Geological Survey
Unused:	Not Reported		
Entry date:	19880417		
Updt date:	20021106		
Geoc type:	WW	Gcm code:	A
Geoc src:	MGS	Geoc prg:	CWI
Utme:	430793		
Utmn:	5026263		
Geoc entry:	0		
Geoc date:	19950412		
Geocupd en:	0		
Geocupd da:	0		
Rcvd date:	0		
Well label:	225787	Swlcount:	1
Swldate:	19690505		
Swlavgmeas:	28		
Swlavglev:	939		
Site id:	MN3000000113788		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Construction 1 Information:

Relateid:	0000225787	Drill meth:	Not Reported
Drill fluid:	Not Reported	Hydrofrac:	Not Reported
Hffrom:	Not Reported		
Hfto:	Not Reported		
Case mat:	Not Reported	Case joint:	Not Reported
Case top:	0		
Drive shoe:	Not Reported	Case type:	Single casing
Screen:	Y		
Ohtopfeet:	Not Reported		
Ohbotfeet:	Not Reported	Screen typ:	Not Reported
Screen mfg:	Not Reported	Ptiss mdl:	Not Reported
Ptiss mfg:	Not Reported	Csg top ok:	Not Reported
Bsmt offst:	Not Reported	Plstc prot:	Not Reported
Csg at grd:	Not Reported	Pump inst:	Y
Disinfectd:	Not Reported		
Pump date:	Not Reported	Pump model:	Not Reported
Pump mfg:	Not Reported		
Pump hp:	40		
Pump volts:	Not Reported		
Dropp len:	Not Reported		
Dropp mat:	Not Reported		
Pump cpcty:	Not Reported		
Pump type:	Turbine	Variance:	Not Reported
Drllr name:	Not Reported		
Entry date:	19880417		
Updt date:	20021106		

Construction 2 Information:

Relateid:	0000225787	Constype:	S
From depth:	40		
To depth:	57		
Diameter:	12		
Slot:	80		
Length:	17		
Material:	Not Reported		
Amount:	Not Reported		
Units:	Not Reported		

Historic Water Level Information:

Relateid:	0000225787	Meas type:	Well installation
Meas date:	19690505		
Meas time:	Not Reported		
M pt code:	Land surface		
Meas point:	0		
Measuremt:	28		
Meas elev:	939	Program:	CWI
Data src:	Mc Alpine Brothers		
Entry date:	19880417		
Updt date:	0		

Id Information:

Relateid:	0000225787	Identifier:	73-1211
Id type:	MNDNR	Id prog:	PA

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Pump Test Information:

Related: 0000225787
Pumptestid: 1
Test date: 19690500
Start meas: 28
Flow rate: 350
Duration: 10
Pump meas: 40

G29
WNW
1/2 - 1 Mile
Higher

FED USGS USGS2008630

Agency cd:	MN040	Site no:	452311093530201
Site name:	34N29W28DDCDB01		
Latitude:	452311	EDR Site id:	USGS2008630
Longitude:	0935302	Dec lat:	45.38635444
Dec lon:	-93.8841425	Coor meth:	M
Coor accr:	S	Lalong datum:	NAD27
Dec lalong datum:	NAD83	District:	27
State:	27	County:	141
Country:	US	Land net:	SWSESES26 T 34N R29W
Location map:	CLEAR LAKE	Map scale:	24000
Altitude:	967		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	5		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	ClearwaterElk. Minnesota. Area = 1100 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19690505
Date inventoried:	19880417	Mean greenwich time offset:	CST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Unconfined single aquifer		
Aquifer:	GLACIAL SURFICIAL SAND & GRAVEL		
Well depth:	57	Hole depth:	57
Source of depth data:	Not Reported		
Project number:	462714100		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1969-05-05	Ground water data end date:	1969-05-05
Ground water data count:	1		

Ground-water levels, Number of Measurements: 0

H30
ESE
1/2 - 1 Mile
Lower

MN WELLS MN3000000112711

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Relateid:	0000214542	County c:	Sherburne
Unique no:	00214542	Wellname:	TOM HAMMER WELL NO.1
Township:	33	Range:	28
Range dir:	W	Section:	5
Subsection:	DBDDBB	Mgsquad c:	Becker
Elevation:	962		
Elev mc:	7.5 minute topographic map (+/- 5 feet)		
Status c:	Active		
Use c:	Irrigation	Loc mc:	Information from neighbor
Loc src:	Minnesota Geological Survey	Data src:	Mc Alpine Brothers
Depth drll:	66		
Depth comp:	66		
Date drll:	19690515		
Case diam:	12		
Case depth:	40		
Grout:	Not Reported	Pollut dst:	0
Pollut dir:	Not Reported	Pollut typ:	Not Reported
Strat date:	19910819		
Strat upd:	20020711		
Strat src:	Not Reported	Strat geol:	Not Reported
Strat mc:	Not Reported		
Depth2bdrk:	0		
First bdrk:	NA	Last strat:	Sand
Ohtopunit:	QHUU	Ohbotunit:	QHUU
Aquifer:	QBAA	Cuttings:	Not Reported
Core:	Not Reported	Bhgeophys:	Not Reported
Geochem:	Not Reported	Waterchem:	Not Reported
Obwell:	Not Reported	Swl:	Y
Igwis:	Not Reported	Input src:	Minnesota Geological Survey
Unused:	Not Reported		
Entry date:	19880417		
Updt date:	20050311		
Geoc type:	WW	Gcm code:	A
Geoc src:	MGS	Geoc prg:	CWI
Utme:	433750		
Utmn:	5025127		
Geoc entry:	0		
Geoc date:	19950412		
Geocupd en:	0		
Geocupd da:	0		
Rcvd date:	0		
Well label:	214542	Swlcount:	1
Swldate:	19690515		
Swlavmeas:	25		
Swlavgelev:	937		
Site id:	MN3000000112711		

Address Information:

Relateid:	0000214542	Name:	HAMMER, TOM
Addtype c:	Contact address	House no:	5531
Street:	HABFAX	Road type:	Not Reported
Road dir:	North	City:	MINNEAPOLIS
State:	MIN	Zipcode:	55429
Entry date:	20020711		
Updt date:	20050311		
Other:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Construction 1 Information:

Relateid:	0000214542	Drill meth:	Not Reported
Drill fluid:	Not Reported	Hydrofrac:	Not Reported
Hffrom:	Not Reported		
Hflo:	Not Reported		
Case mat:	Not Reported	Case joint:	Not Reported
Case top:	0		
Drive shoe:	Not Reported	Case type:	Single casing
Screen:	Y		
Ohtopfeet:	Not Reported		
Ohbotfeet:	Not Reported		
Screen mfg:	Not Reported	Screen typ:	Not Reported
Ptlss mfg:	Not Reported	Ptlss mdl:	Not Reported
Bsmt offst:	Not Reported	Csg top ok:	Not Reported
Csg at grd:	Not Reported	Plstc prot:	Not Reported
Disinfectd:	Not Reported	Pump inst:	Y
Pump date:	Not Reported		
Pump mfg:	Not Reported	Pump model:	Not Reported
Pump hp:	75		
Pump volts:	Not Reported		
Dropp len:	Not Reported		
Dropp mat:	Not Reported		
Pump cpcty:	Not Reported		
Pump type:	Turbine	Variance:	Not Reported
Drillr name:	MCALPINE		
Entry date:	19880417		
Updt date:	20020711		

Construction 2 Information:

Relateid:	0000214542	Constype:	C
From depth:	0		
To depth:	40		
Diameter:	12		
Slot:	Not Reported		
Length:	Not Reported		
Material:	Not Reported		
Amount:	Not Reported		
Units:	Not Reported		

Historic Water Level Information:

Relateid:	0000214542	Meas type:	Well installation
Meas date:	19690515		
Meas time:	Not Reported		
M pt code:	Land surface		
Meas point:	0		
Measuremt:	25		
Meas elev:	937		
Data src:	Mc Alpine Brothers	Program:	CWI
Entry date:	19880417		
Updt date:	0		

Id Information:

Relateid:	0000214542	Identifier:	72-0135
Id type:	MNDNR	Id prog:	PA

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Pump Test Information:

Relateid: 0000214542
Pumptestid: 1
Test date: 19690500
Start meas: 25
Flow rate: 800
Duration: 5
Pump meas: 40

H31
ESE
1/2 - 1 Mile
Lower

FED USGS USGS2008822

Agency cd:	MN040	Site no:	452236093504501
Site name:	33N28W05DBDDBB01	EDR Site id:	USGS2008822
Latitude:	452236	Dec lat:	45.37663222
Longitude:	0935045	Coor meth:	M
Dec lon:	-93.84608528	Latlong datum:	NAD27
Coor accr:	S	District:	27
Dec latlong datum:	NAD83	County:	141
State:	27	Land net:	SENWSES05 T 33N R28W
Country:	US	Map scale:	24000
Location map:	BECKER		
Altitude:	962		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	5		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	ClearwaterElk. Minnesota. Area = 1100 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19690515
Date inventoried:	19880417	Mean greenwich time offset:	CST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Unconfined single aquifer		
Aquifer:	GLACIAL SURFICIAL SAND & GRAVEL		
Well depth:	66	Hole depth:	66
Source of depth data:	Not Reported		
Project number:	MN-UMIS		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1969-05-15	Ground water data end date:	1969-05-15
Ground water data count:	1		

Ground-water levels, Number of Measurements: 0

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

AREA RADON INFORMATION

State Database: MN Radon

Radon Test Results

Zipcode	Num Tests	Minimum	Maximum	Average	# > 4 pCi/L	# < 4 pCi/L
55308	261	0.0	25.9	3.6	86	175

Federal EPA Radon Zone for SHERBURNE County: 1

Note: Zone 1 indoor average level > 4 pCi/L.
: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
: Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for Zip Code: 55308

Number of sites tested: 1

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	Not Reported	Not Reported	Not Reported	Not Reported
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	5.100 pCi/L	0%	100%	0%

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)

Source: United States Geologic Survey

EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Scanned Digital USGS 7.5' Topographic Map (DRG)

Source: United States Geologic Survey

A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

HYDROLOGIC INFORMATION

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 2003 & 2009 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 and 2005 from the U.S. Fish and Wildlife Service.

HYDROGEOLOGIC INFORMATION

AQUIFLOW^R Information System

Source: EDR proprietary database of groundwater flow information

EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit

Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Services

The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Services (NRCS)

Telephone: 800-672-5559

SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Services, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)

This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

STATE RECORDS

Minnesota Groundwater Database

Source: Minnesota Geological Survey County Water Well Index (CWI)

Telephone: 612-627-4780

OTHER STATE DATABASE INFORMATION

RADON

State Database: MN Radon

Source: Department of Health

Telephone: 651-215-0909

Radon Test Results

Area Radon Information

Source: USGS

Telephone: 703-356-4020

The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones

Source: EPA

Telephone: 703-356-4020

Sections 307 & 309 of IRRA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

OTHER

Airport Landing Facilities: Private and public use landing facilities

Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater

Source: Department of Commerce, National Oceanic and Atmospheric Administration

PHYSICAL SETTING SOURCE RECORDS SEARCHED

STREET AND ADDRESS INFORMATION

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Appendix E



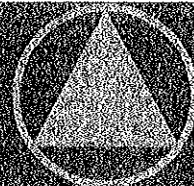
NORTHERN TECHNOLOGIES, INC.

GEOTECHNICAL • CONSTRUCTION AND FORENSIC ENGINEERING
SOIL BORINGS • CONSTRUCTION MATERIALS TESTING

www.northerntechinc.com



Tony Francis, P.E.
Project Engineer



Education

BSCE – North Dakota
State University - 2004

Registration/Licensure

Minnesota – 2010

Testing Certifications

MnDOT Concrete
ICC Spray Applied
Fireproofing Special
Inspector
ICC Reinforced Concrete
Special Inspector
AWS Welding Inspector
Troxler Nuclear Density
Gauge
ACI Concrete Technician

Minneapolis/St. Paul

Regional Office:
6588 141st Ave. NW
Ramsey, MN 55303
Phone: 763-433-9175
Fax: 763-323-4739

Fargo/Moorhead

Regional Office:
3522 4th Avenue South
Fargo, ND 58103
Phone: 701-232-1822
Fax: 701-232-1864

Grand Forks:

830 South 48th St.
Grand Forks, ND 58201
Phone: 701-219-0920
Fax: 701-775-3774

Develops geotechnical exploration programs to address unique client needs. Supervises drilling personnel, checking their procedures for conformance with accepted practices. Classifies and tests the properties of soil samples. Performs geotechnical engineering calculations and writes reports of findings and recommendations.

Responsible for scheduling drill crews and engineering technicians. Spot checks work for conformance with ASTM, ICC, AWS, MnDOT and other applicable standards. Reviews and approves all technician daily reports and test results.

With background as an engineering technician, brings a clear understanding of the real world challenges that arise in the field, laboratory and office.

Manages a variety of projects, responsible for project scoping, proposals, contracts, schedule, and billing. Well respected for his prompt responsiveness, knowledge and accessibility, his loyal client list is ever expanding.

Performs higher level structural steel and welding special inspections. Available for excavation observations when complicated soil conditions are encountered.

Prepares Phase 1 Environmental Site Assessments based on ASTM E1527.

Employment History

Northern Technologies, Inc.
Project Engineer
2005 – Present

Northern Technologies, Inc.
Engineering Technician
2002 – 2005

Recent Project Experience

- Chamonix Golf Course, Lino Lakes, Minnesota - Performed geotechnical investigation consisting of standard penetration test borings and cone penetrometer tests for the design of bridge abutments for cart and pedestrian bridge. Supervised testing program during construction.
- Developed geotechnical investigation programs for multiple retail buildings including McDonald's, Walgreens and Dairy Queen throughout Minnesota, Wisconsin and South Dakota.
- Minnesota Sex Offenders Prison, Moose Lake, MN - Supervised construction material testing and special inspections. Performed groundwater hydrology study for next phase of the project.
- Managed the testing programs for annual street and utility reconstruction projects in Maplewood, Maple Grove, Little Canada, Champlin, Elk River, Ramsey, and Andover.
- T.H. 55 and Mendota Heights Road Intersection, Mendota Heights, MN - Supervised the Quality Assurance (QA) testing for the MSA funded reconstruction project.
- Prepare geotechnical investigations and reports for dozens of AT&T, Sprint and T-Mobile communication towers throughout Minnesota and Wisconsin.
- City Hall and Library, St. Michael, MN - Performed geotechnical investigation and supervised the testing and special inspections for this project built in 2009/10.



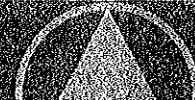
NORTHERN TECHNOLOGIES, INC.

GEOTECHNICAL • CONSTRUCTION AND FORENSIC ENGINEERING
SOIL BORINGS • CONSTRUCTION MATERIALS TESTING

www.northerntechinc.com



Steve Johnston, P.E.
Principal Engineer / Regional Manager



Education

BSCE – University of
Minnesota - 1984

Continuing Education

Foundation Design
Concrete Materials
Wetland Permitting
Erosion Control
Contract Law
Project Management
Americans with Disability
Act (ADA)
Business Management

Registration/Licensure

Minnesota - 1988
North Dakota - 2005
Wisconsin - 1990
Colorado - 1999
Michigan - 1996
Nebraska - 1996
Nevada - 1996

Minneapolis/St. Paul

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Grand Forks, ND 58201
Phone: 701-219-0920
Fax: 701-775-3774

Responsible for supervision of office and field staff, business practices, client relations and marketing. Review company's work product for accuracy, thoroughness and attention to client needs. Perform detailed civil and geotechnical engineering investigations, calculations and designs. Perform forensic evaluations and provide expert witness testimony in numerous areas of civil and geotechnical engineering.

Background in civil/municipal engineering provides unique holistic understanding of the site construction process, resulting in practical yet creative geotechnical and construction materials recommendations. Past project experience includes:

- Design, management and construction of numerous public streets, utilities, lift stations, and recreational facilities.
- Subdivision layout, earthwork design and infrastructure engineering for thousands of single family, townhome, multifamily and condominium housing units throughout Minnesota, Wisconsin and Arizona.
- Site design, grading, and utility engineering for millions of square feet of retail, office and industrial buildings ranging from small free standing restaurants to half million square foot warehouse /distribution centers.
- Perform detailed runoff and hydrologic calculations, design and manage construction of hundreds of drainage facilities ranging from small rain gardens to 150 acre-foot regional ponds.
- Prepared numerous environmental assessments (EAW, AUAR, EIS).
- Successfully negotiate and secure project permit approvals from local, regional, county, state and federal agencies.

Employment History

Northern Technologies, Inc.

Vice President / Principal Engineer
2009 – Present

RHO Development Consulting, Inc.

President / Principal Civil Engineer
2008 – 2009

Landform Engineering Company

President / Principal Civil Engineer
1994 – 2008

Locks and Associates, Inc.

Vice President / Principal Civil Engineer,
1991-1994

Merila and Associates, Inc.

Project Manager / Civil Engineer
1986 - 1991

City of Maple Grove, MN

Civil Engineer
1981-1986

Recent Project Experience

- Blaine, Minnesota - Worked with Contractor and Civil Engineer to correct malfunctioning biofiltration basin. Fashioned customized testing apparatus to evaluate existing conditions, proposed solution, and supervised reconstruction.
- Minneapolis, Minnesota - Evaluation of ground and surface water conditions for condominium association. Provided conceptual designs for correction.
- Co-authored review of proprietary foundation support for applicability to support residential decks in cold climates.
- Council Bluffs, Iowa - Observed site conditions and co-authored report on constructability of municipal sanitary sewer project as designed. Recommended design changes for pipe support which will allow the project to move forward.